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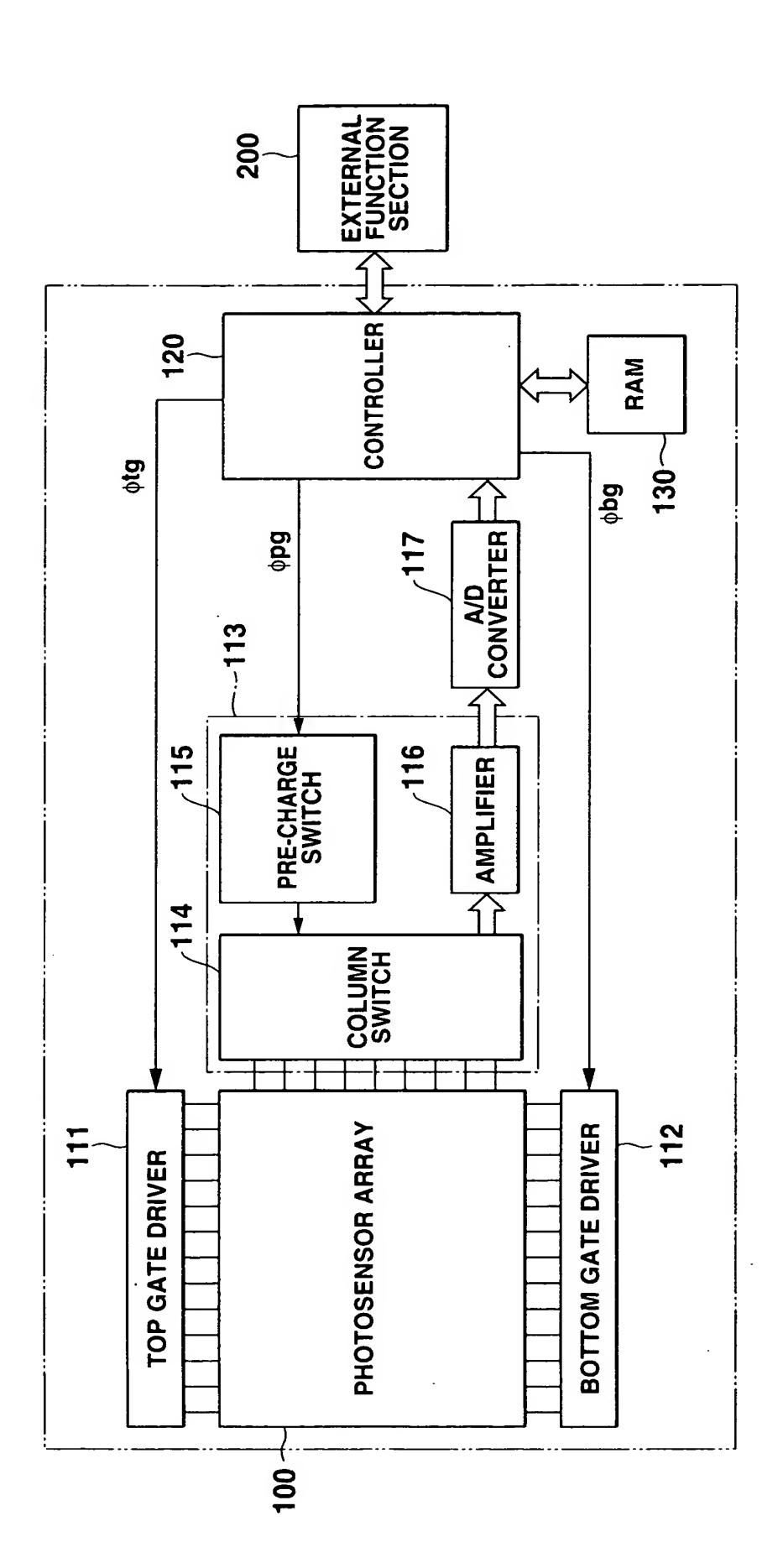
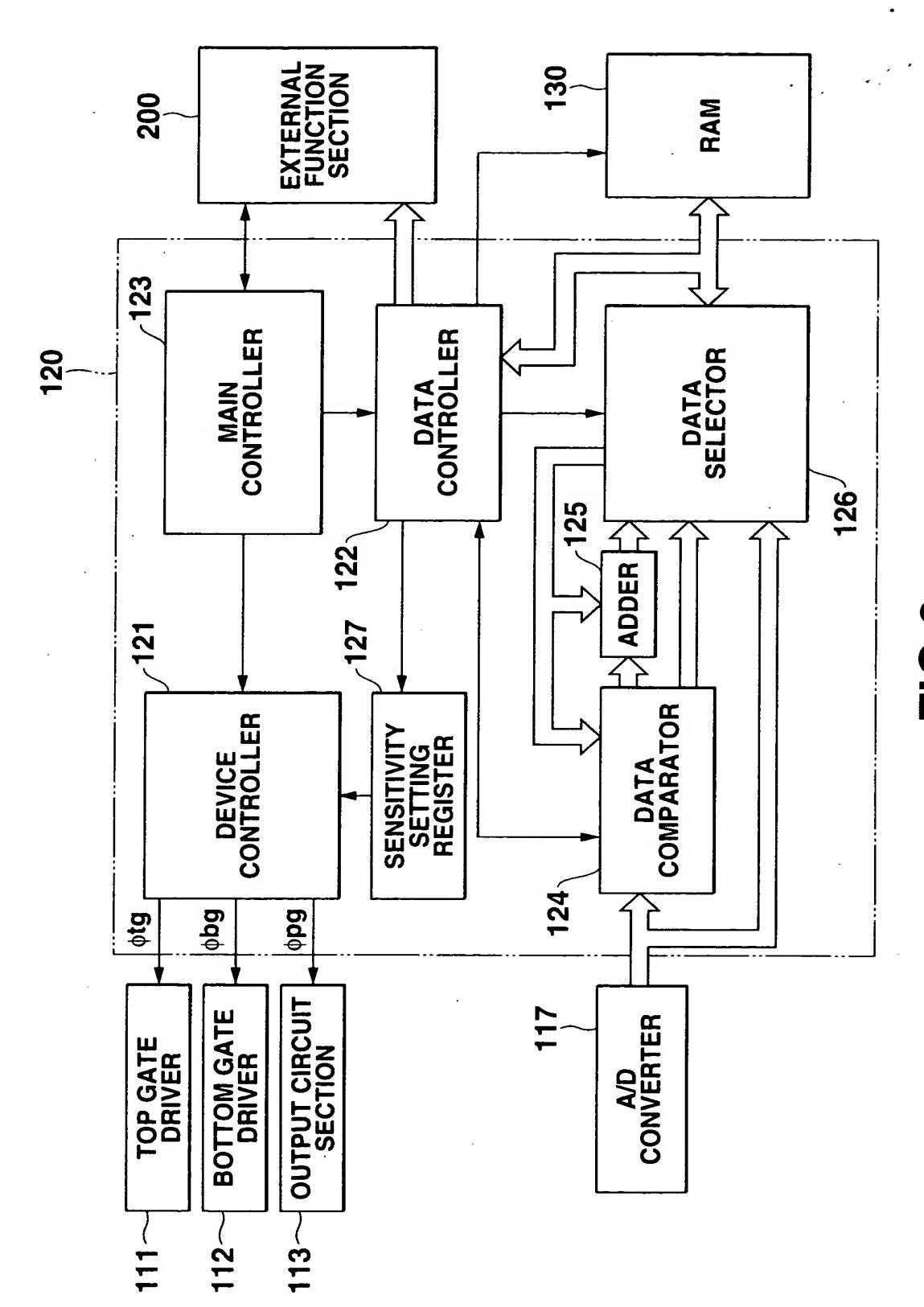


FIG.1



**FIG.2** 

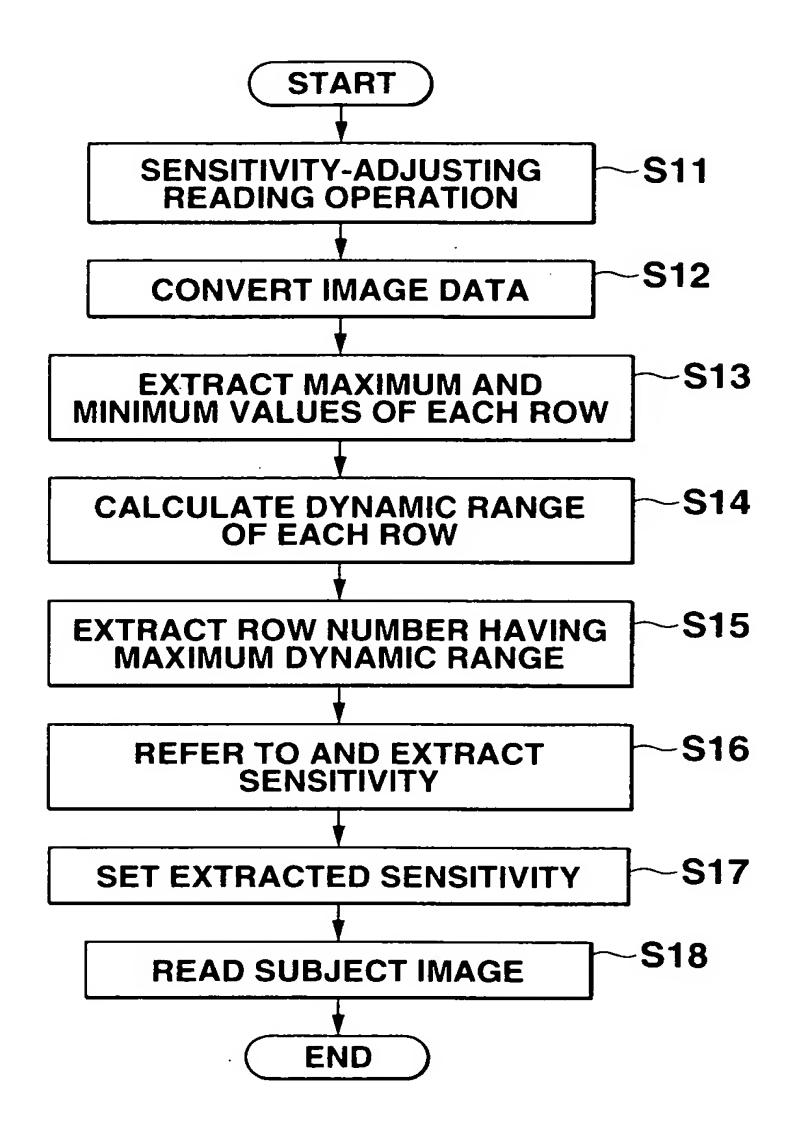


FIG.3

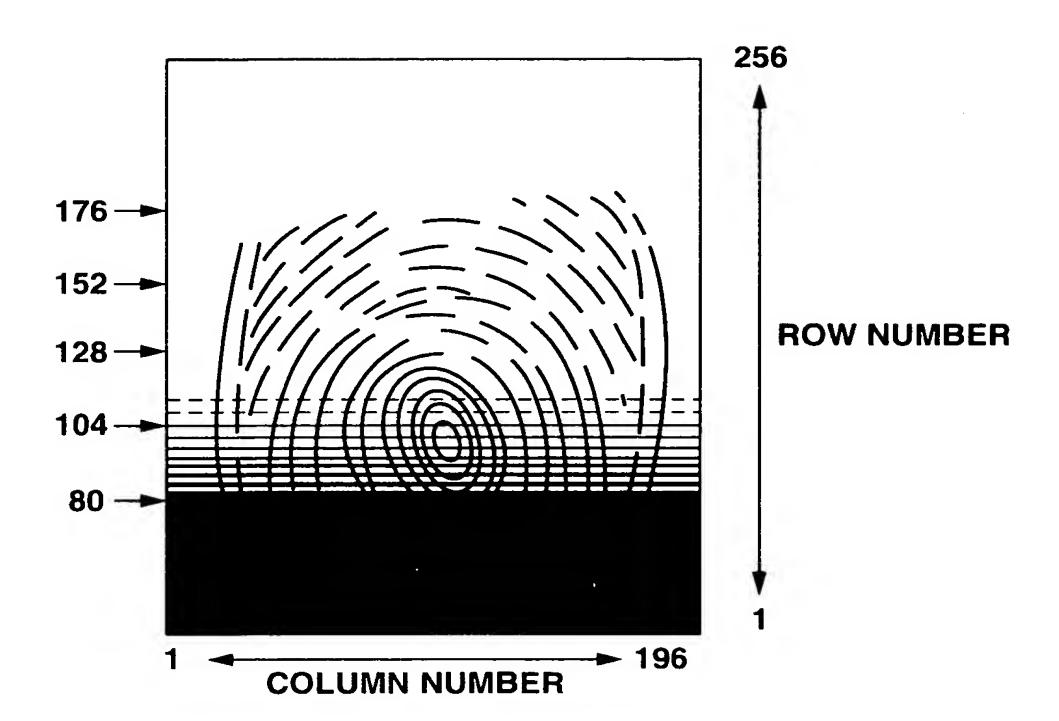
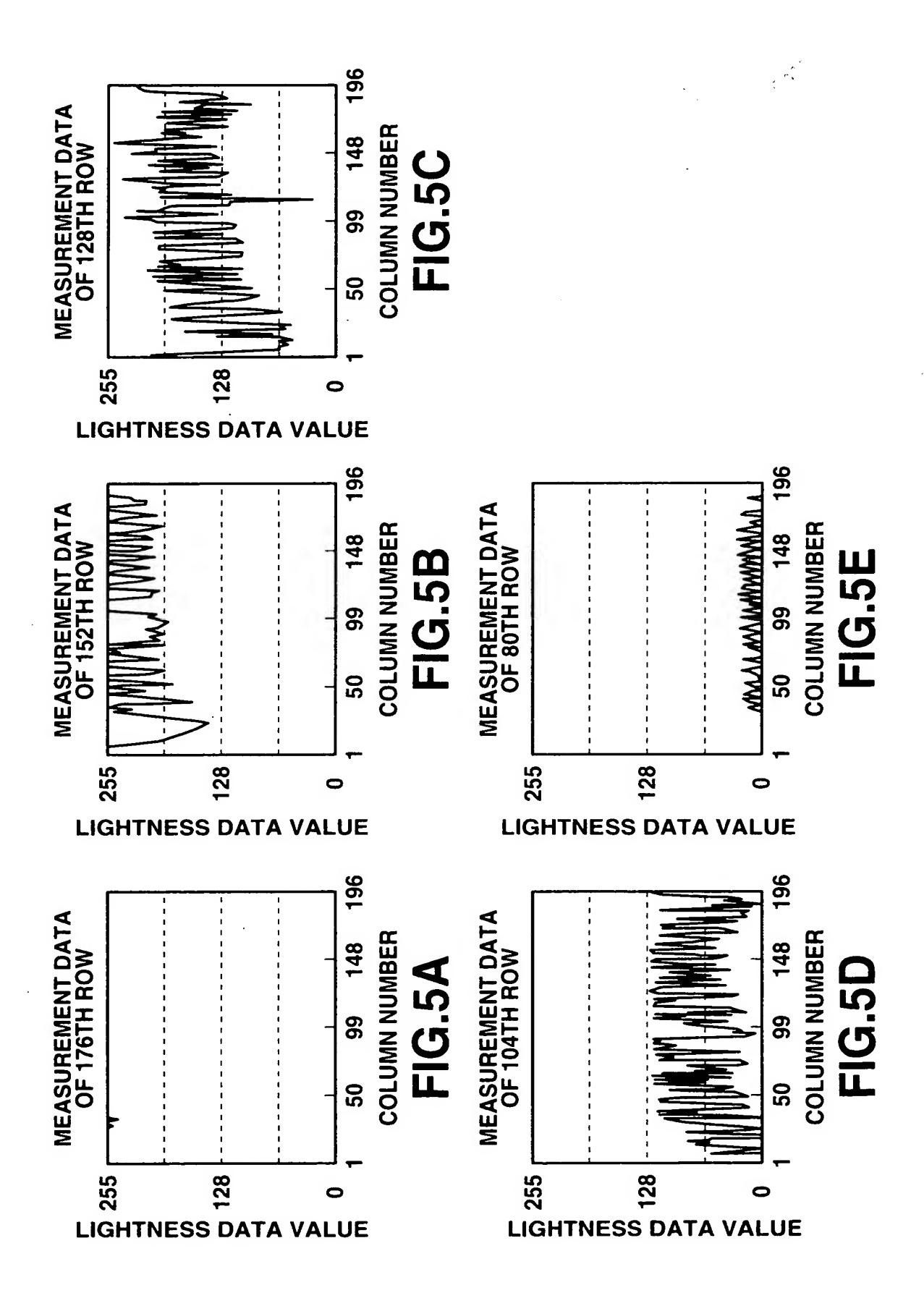


FIG.4



	ROW NUMBER	80TH ROW	104TH ROW	128TH ROW	152ND ROW	176TH ROW
	MAXIMUM VALUE	25	127	251	255	255
¥0.5	MINIMUM VALUE	0	0	27	153	249
	DYNAMIC RANGE	25	127	224	102	9
	ROW NUMBER	1ST ROW	•	128TH ROW	•	256TH ROW
0 5 L	CHARGE ACCUMLATING PERIOD	T1	•	T128	•	T256

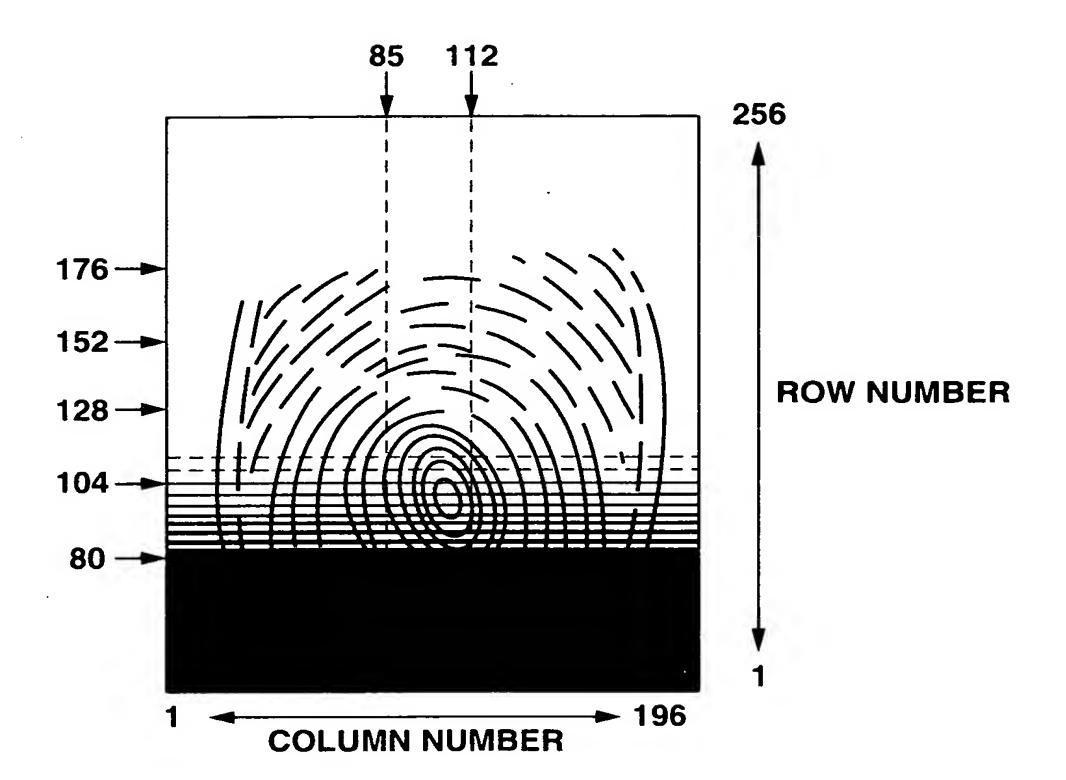
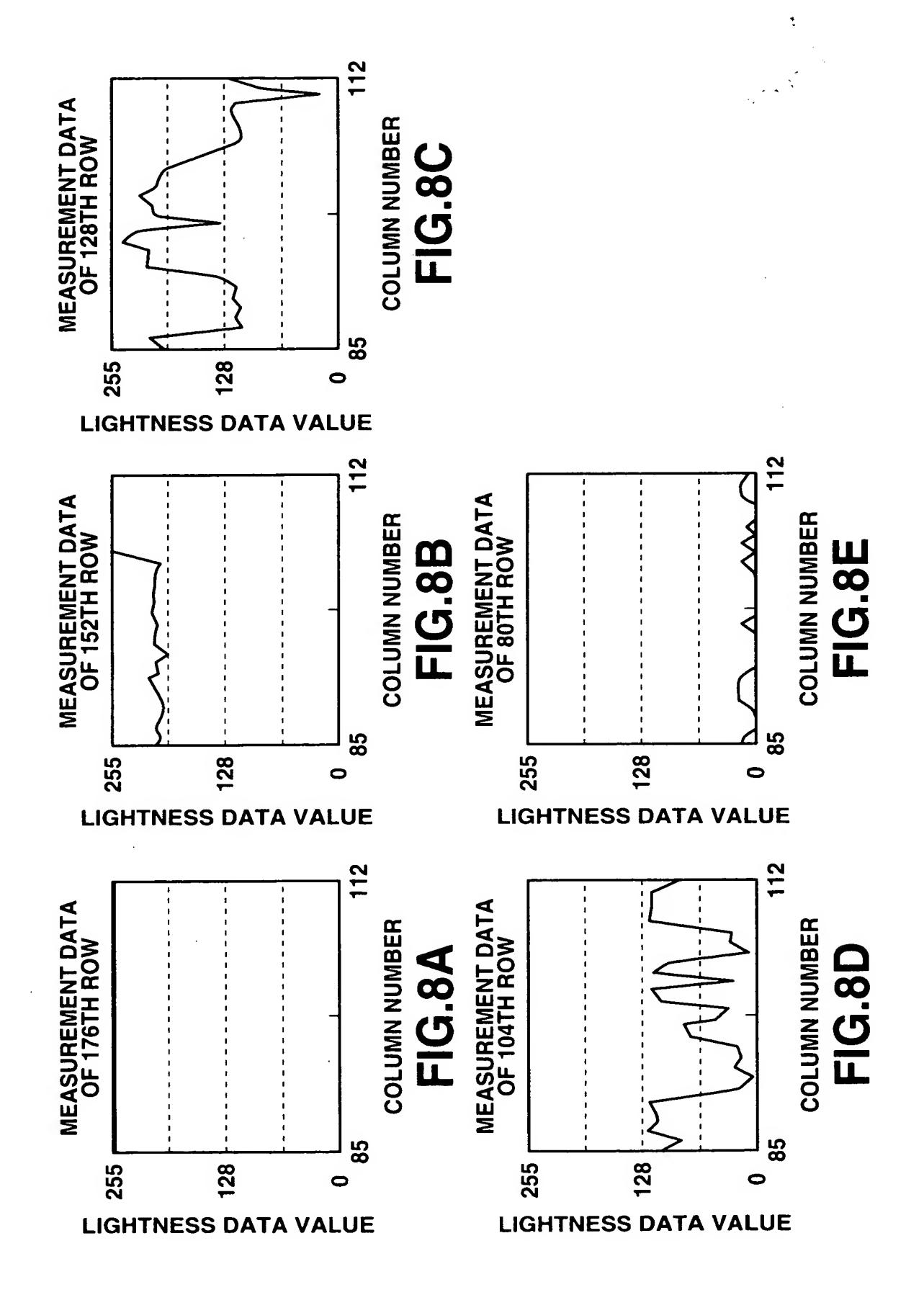
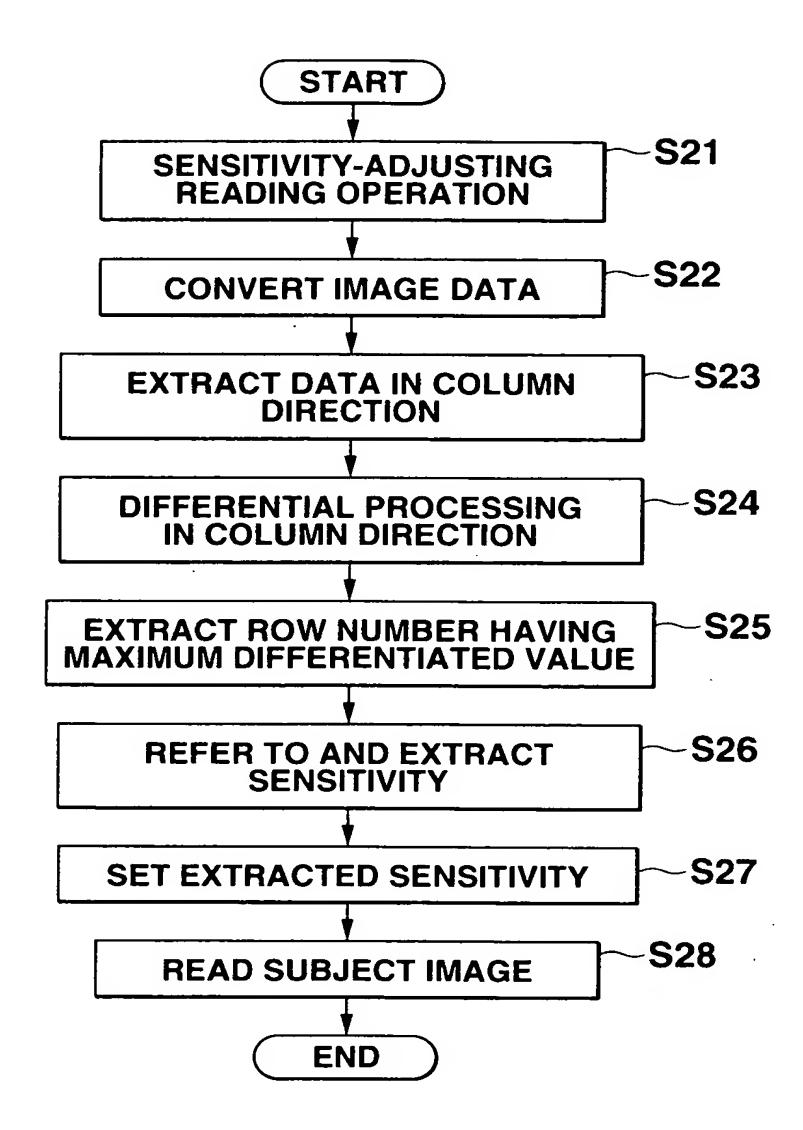


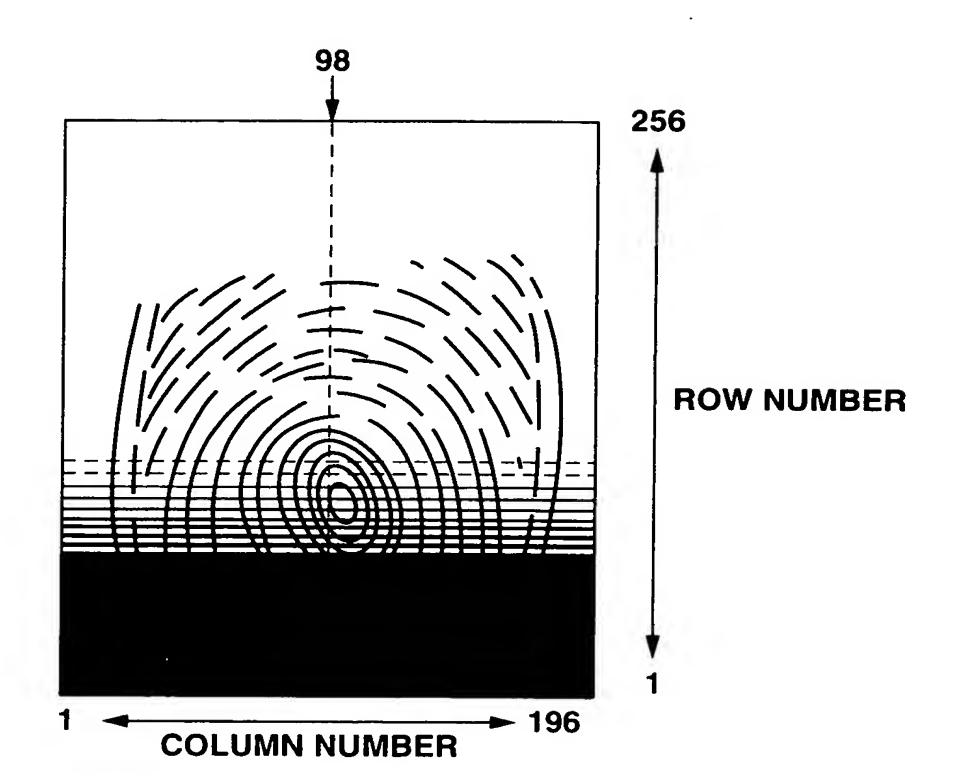
FIG.7



	ROW NUMBER	80TH ROW	104TH ROW	128TH ROW	152ND ROW	176TH ROW
	MAXIMUM VALUE	23	117	243	255	255
4n.5	MINIMUM VALUE	0	6	27	193	255
	DYNAMIC RANGE	23	108	216	62	0
	ROW NUMBER	1ST ROW		128TH ROW	•	256TH ROW
0 7 5 1	CHARGE ACCUMLATING PERIOD	11	•	T128		T256



**FIG.10** 



**FIG.11** 

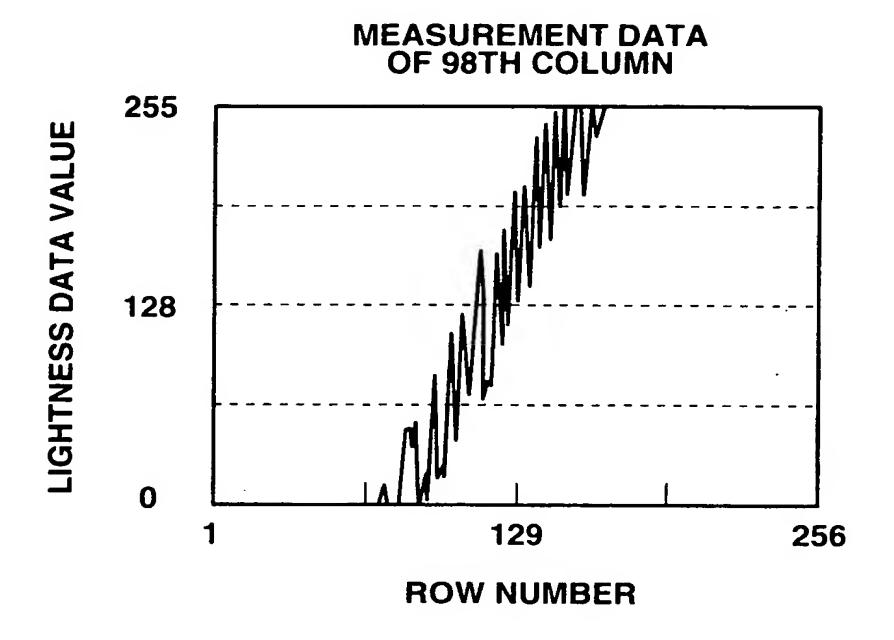


FIG.12A

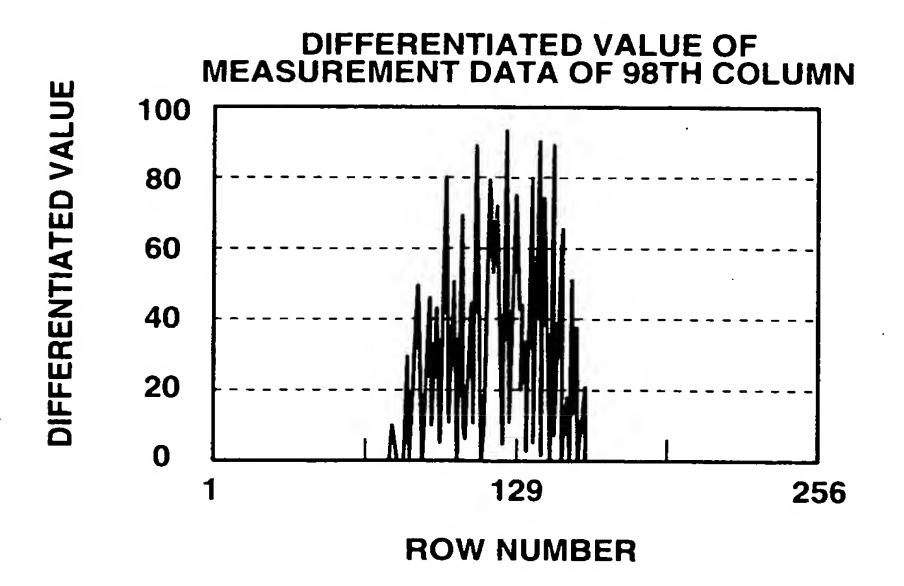
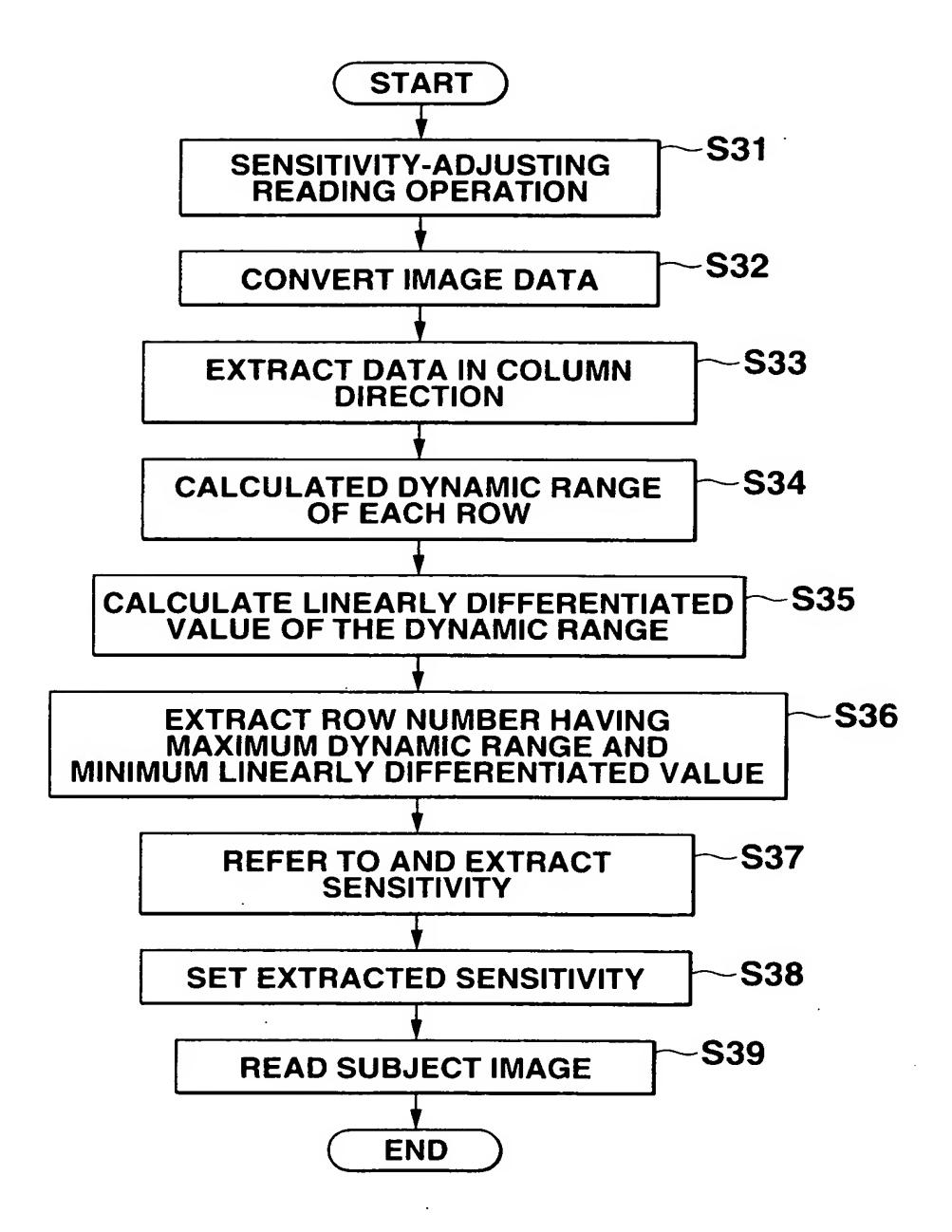


FIG.12B

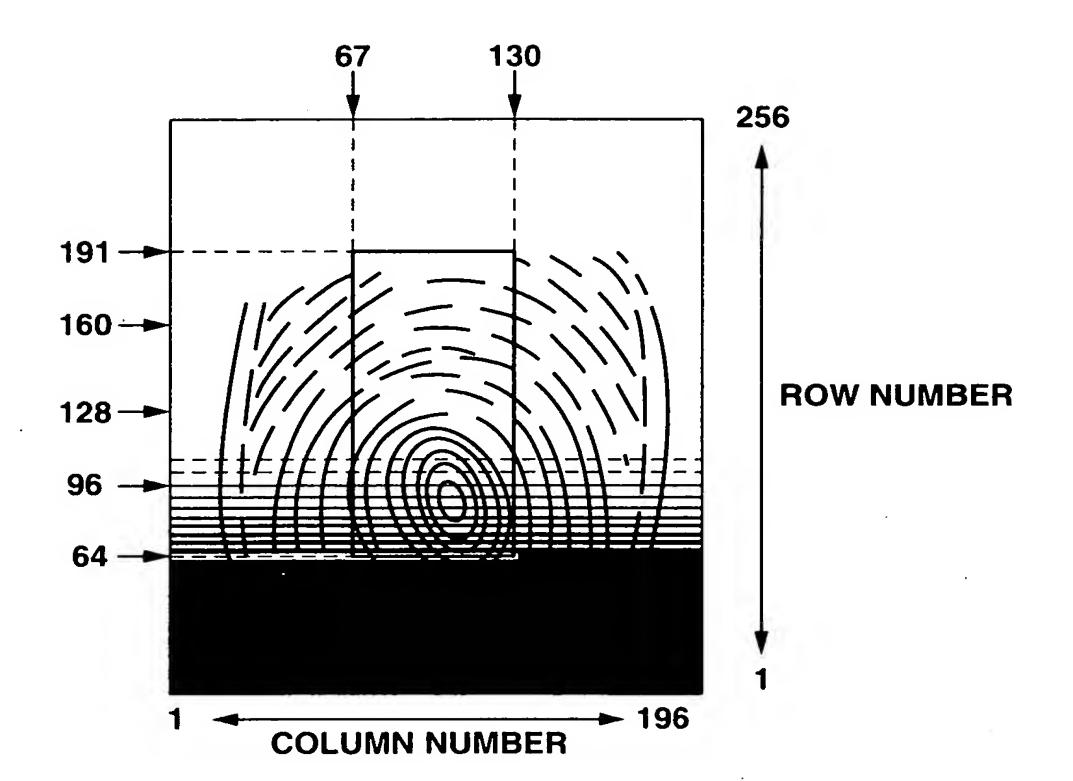
10 A 2 A	ROW NUMBER	• •	121ST ROW	122ND ROW	123RD ROW	121ST 122ND 123RD 124TH 125TH ROW ROW ROW	125TH ROW	126TH ROW	127TH ROW	128TH ROW	129TH ROW	•	•
40.5 5	DIFFERENTIATED VALUE	<b>u</b> ·		80 5	23	72 5		95 1	11 7	76 2	20	•	
													_ +
	ROW NUMBER	•	121ST ROW	122ND 123RD ROW ROW	123RD ROW	124TH ROW	125TH ROW	126TH ROW	127TH ROW	128TH ROW	129TH ROW	•	•
0 7 5	CHARGE ACCUMLATING PERIOD	=	T121	T122	<b>T</b> 123	T124	<b>T</b> 125	T126	<b>T</b> 127	T128	T129	•	•

•

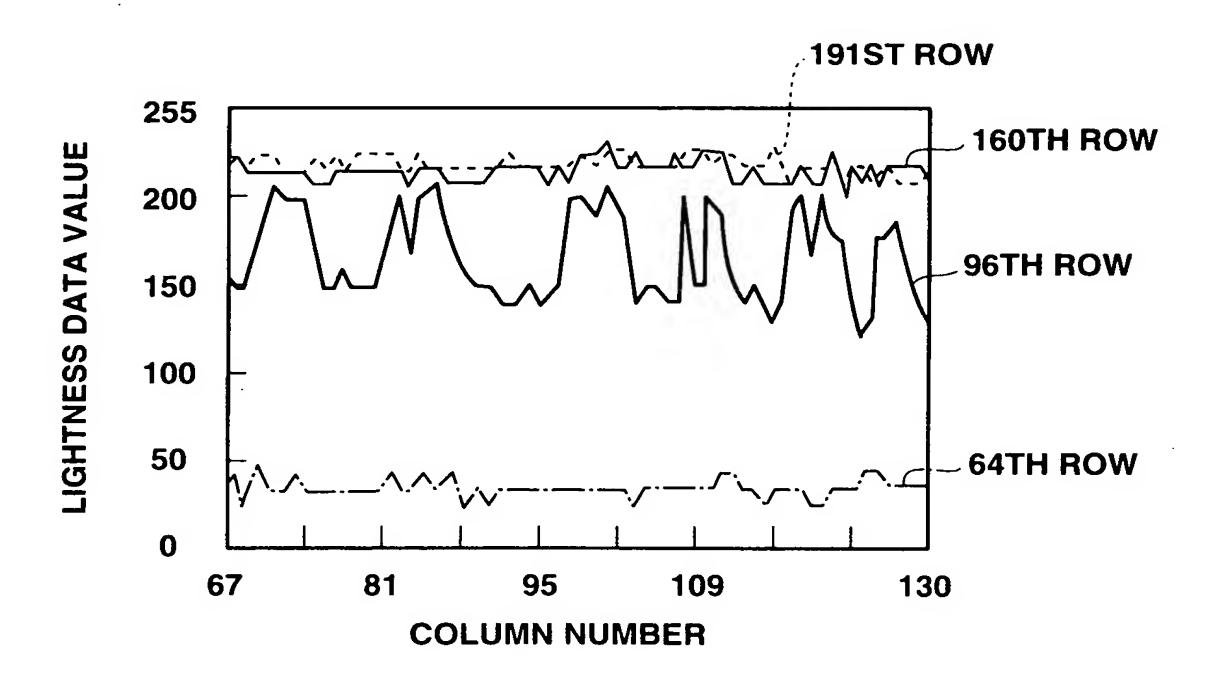
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**FIG.14** 



**FIG.15** 



**FIG.16** 

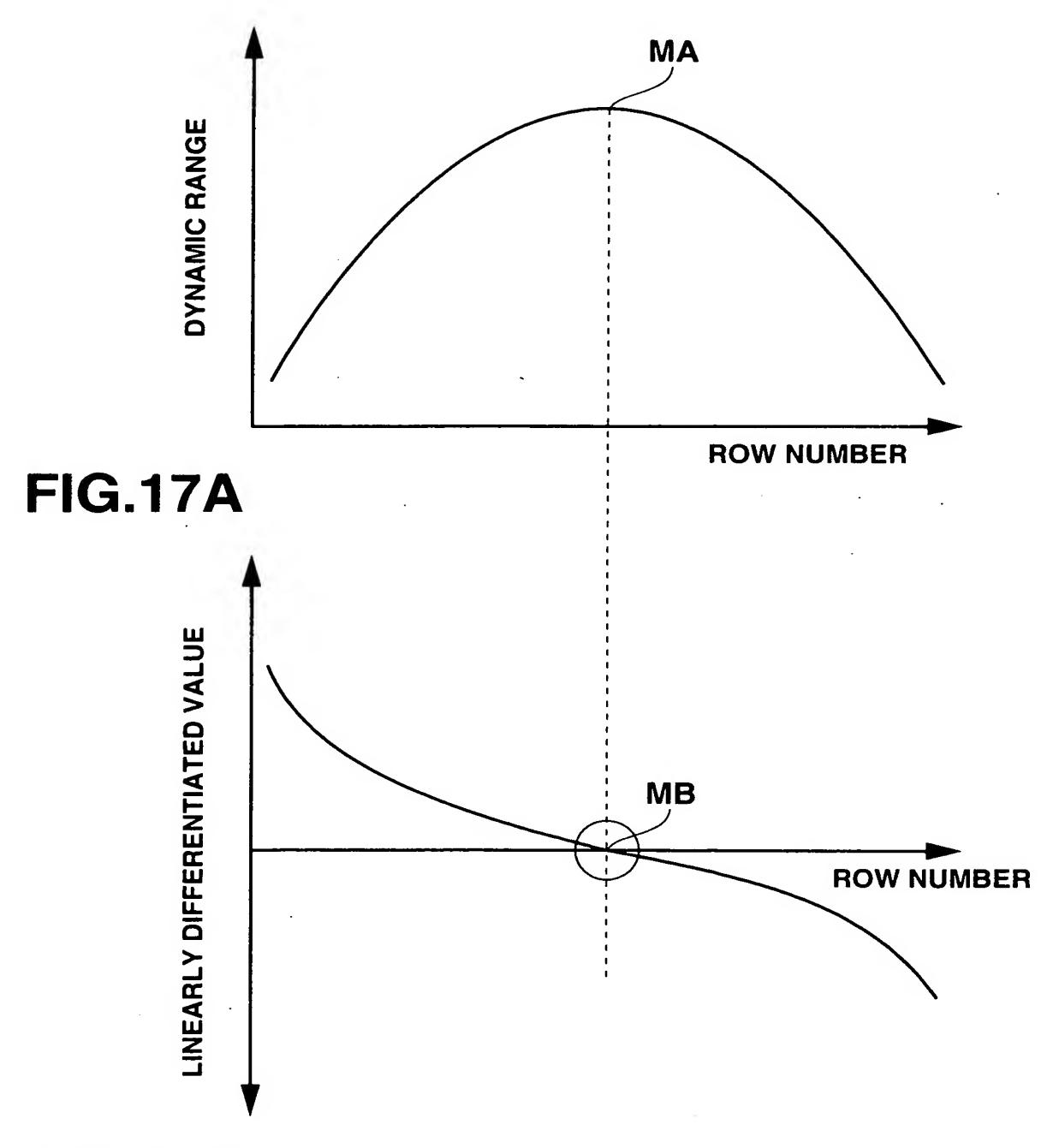


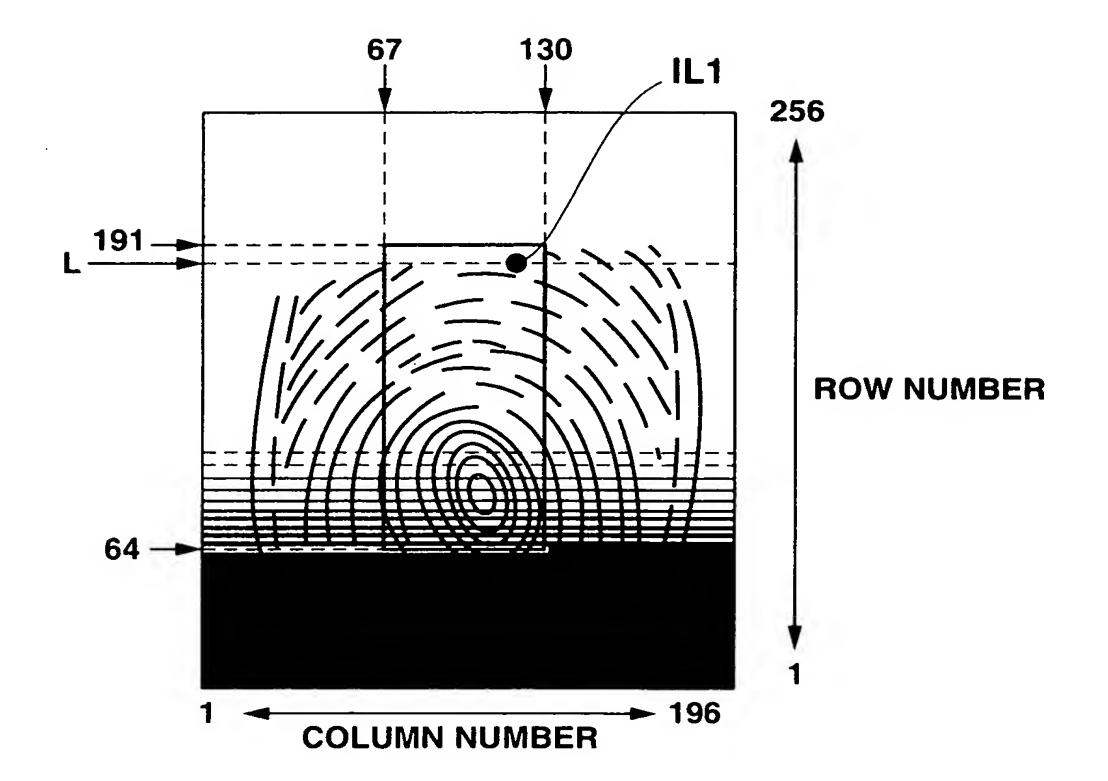
FIG.17B

191ST ROW 191ST ROW R191 X191 **T**191 Y191 Dk+1 Lk+1 ROW PK+1 ROW RK+1 XK+1 YK+1**T**k+1 Š RK(MAX) 8¢ 8 8ç ¥ × ¥ 누 Dk-1(MIN) **P**8-1 Lk-1 ROW **RK-1** XK-1 YK-1 **Tk-1 Dk-2** 64TH ROW 64TH ROW X64 **R**64 **T64 Y64** LINEARLY DIFFERENTIATED VALUE CHARGE ACCUMLATING PERIOD **MAXIMUM VALUE DYNAMIC RANGE** MINIMUM VALUE **ROW NUMBER ROW NUMBER FIG.18A** FIG. 18B

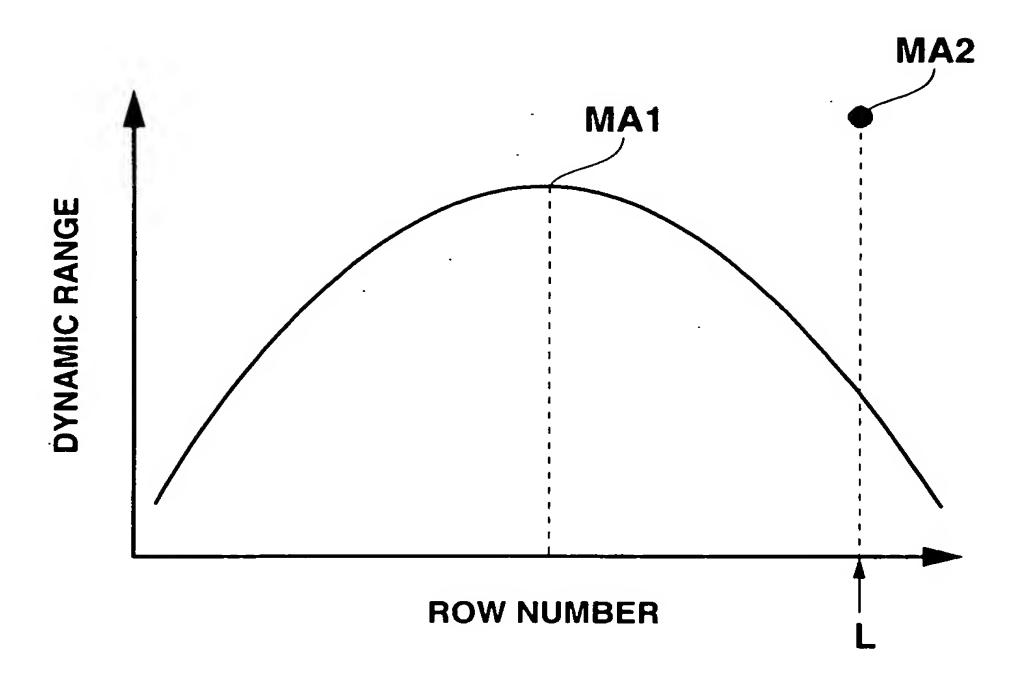
R+

	ROW NUMBER	64TH ROW	•	Lk-1 ROW	ROW	Lk+1 ROW	•	191ST ROW	
FIG 19A	MAXIMUM VALUE	X64		XK-1	XK	XK+1	•	X191	
	MINIMUM VALUE	Y64	•	YK-1	λĶ	YK+1	• • •	Y191	
	DYNAMIC RANGE	R64	•	RK-1	RK(MAX)	RK+1	•	R191	
		<b>.</b>							
					-				
	ROW NUMBER	64TH ROW	•	Lk-1 ROW	ROW	Lk+1 ROW	•	191ST ROW	
ם כי	CHARGE ACCUMLATING PERIOD	T64	•	Tk-1	Τk	Tk+1	•	Т191	

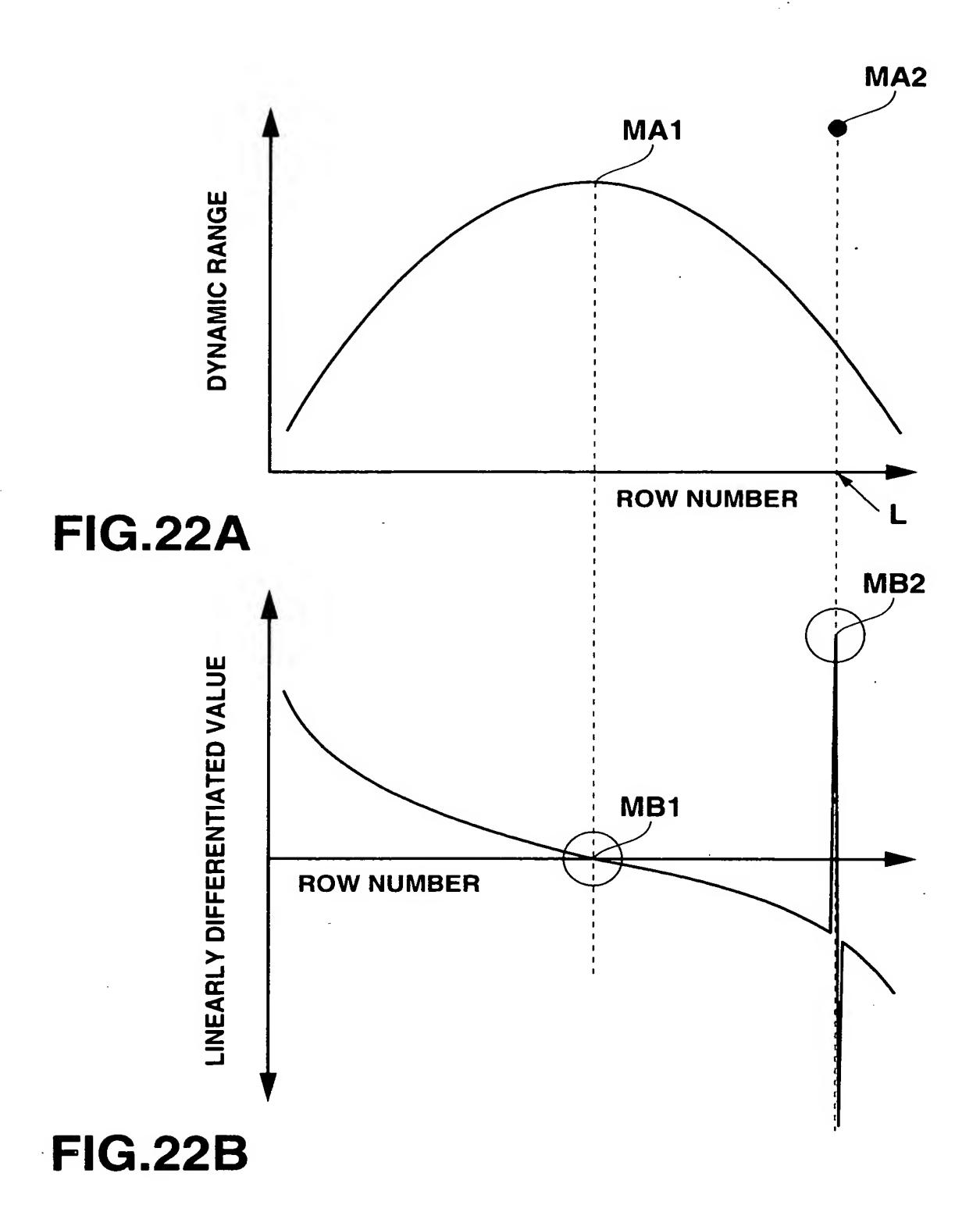
PERIOD

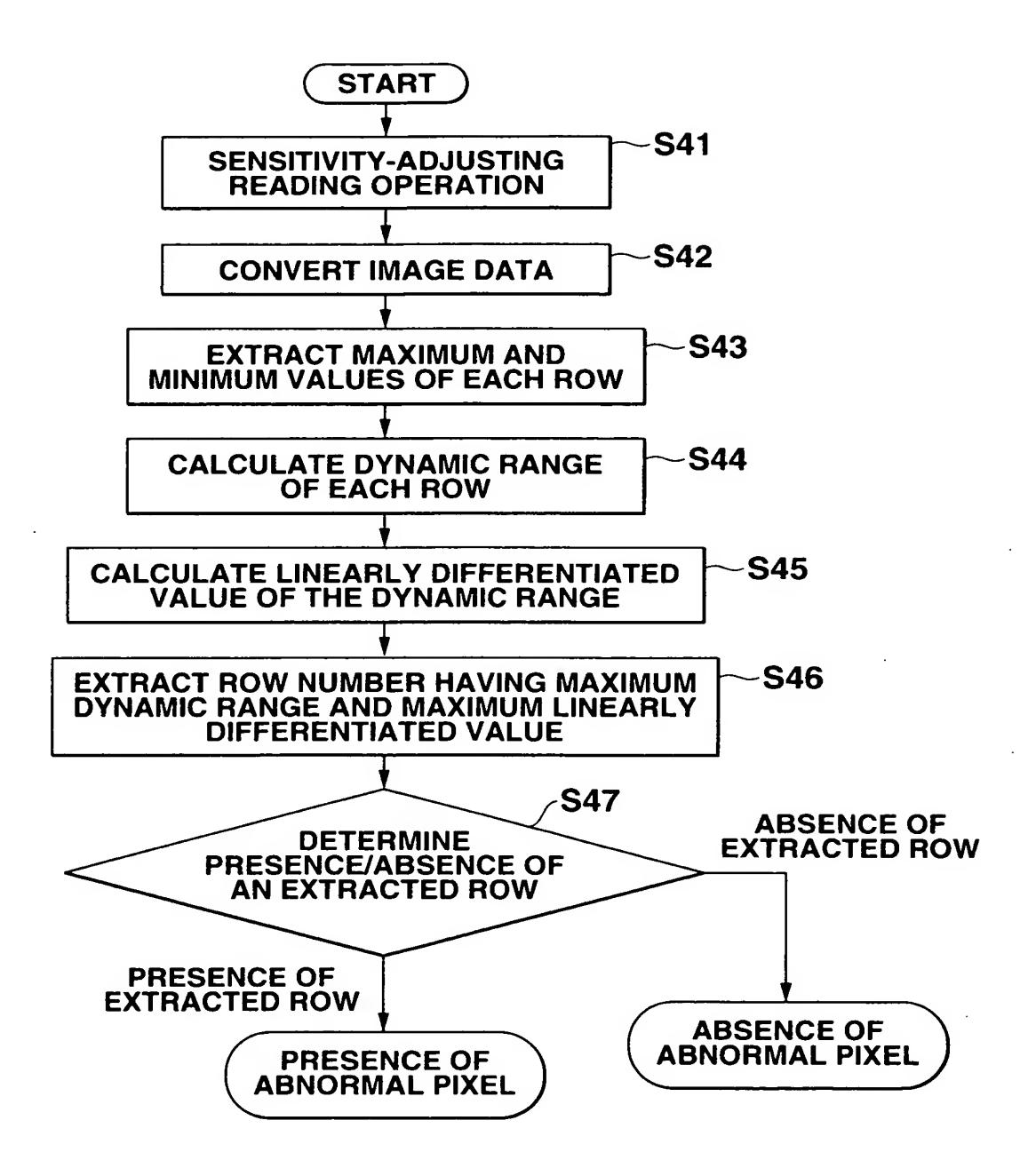


**FIG.20** 

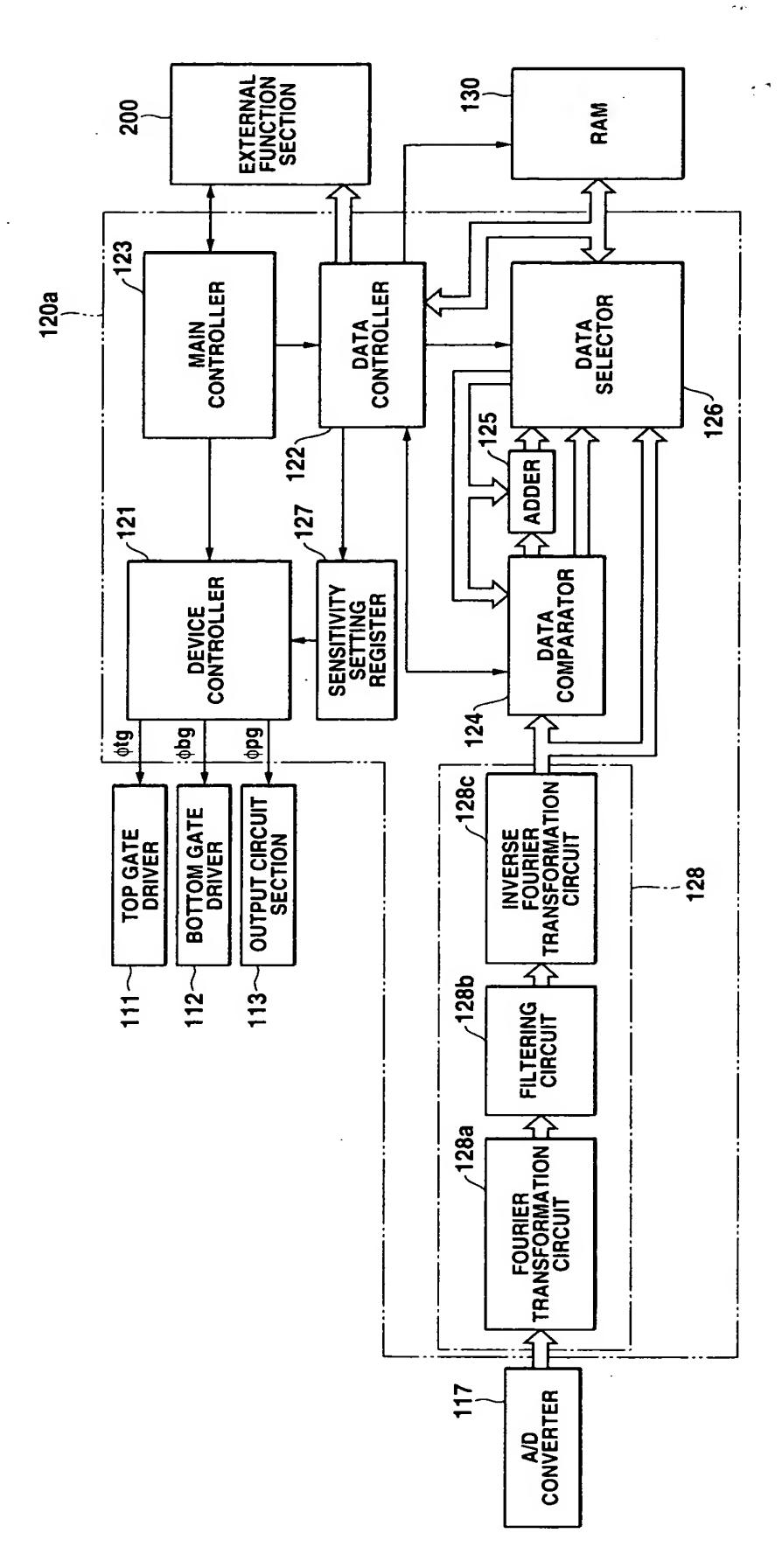


**FIG.21** 



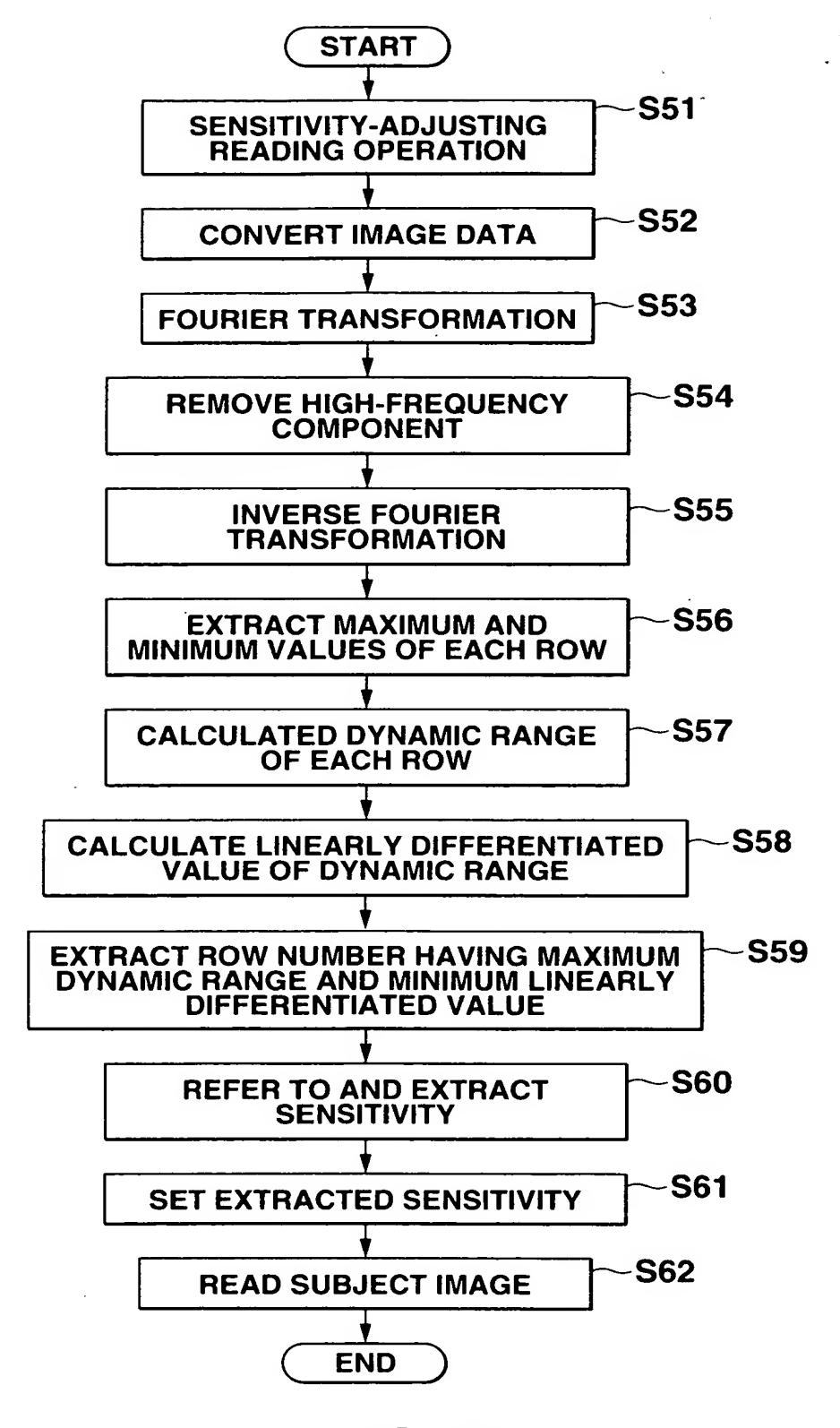


**FIG.23** 

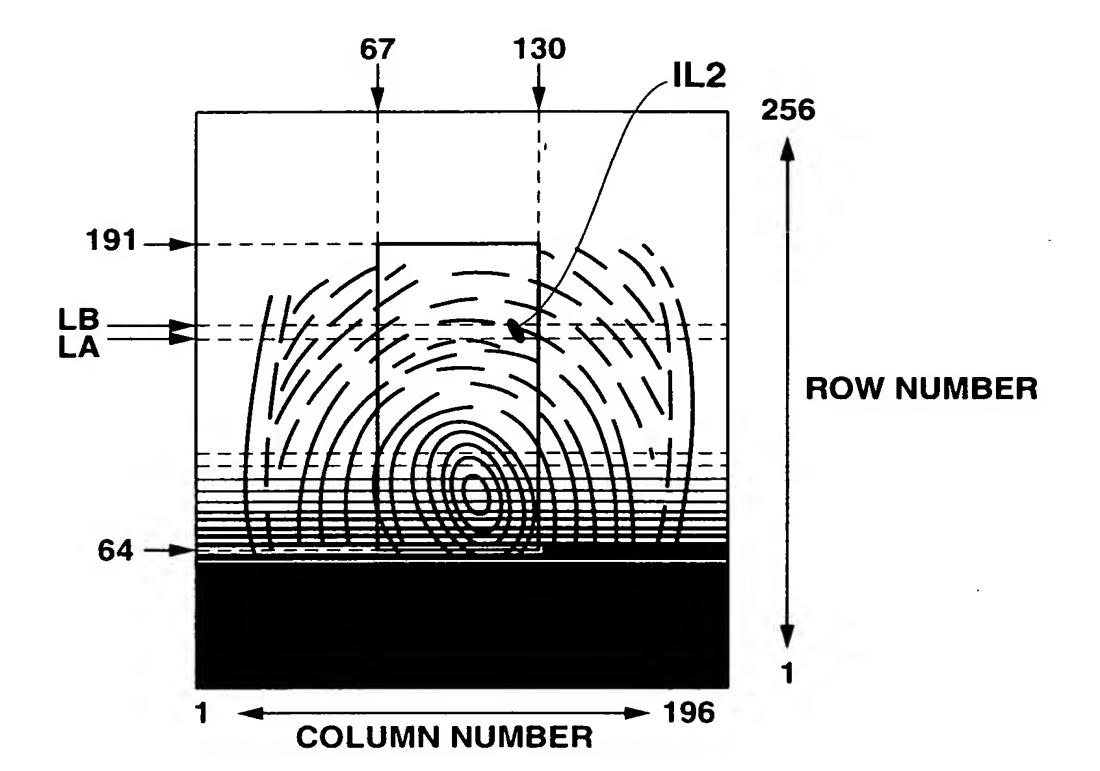


11

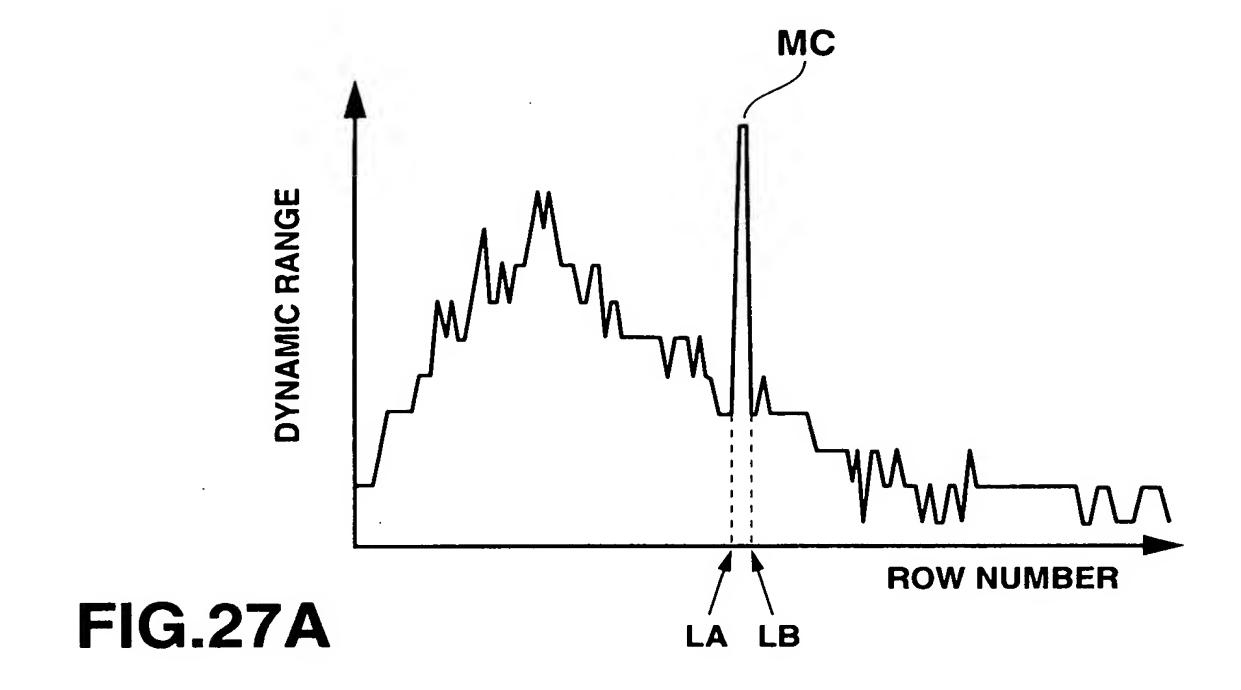
FIG.24



**FIG.25** 



**FIG.26** 



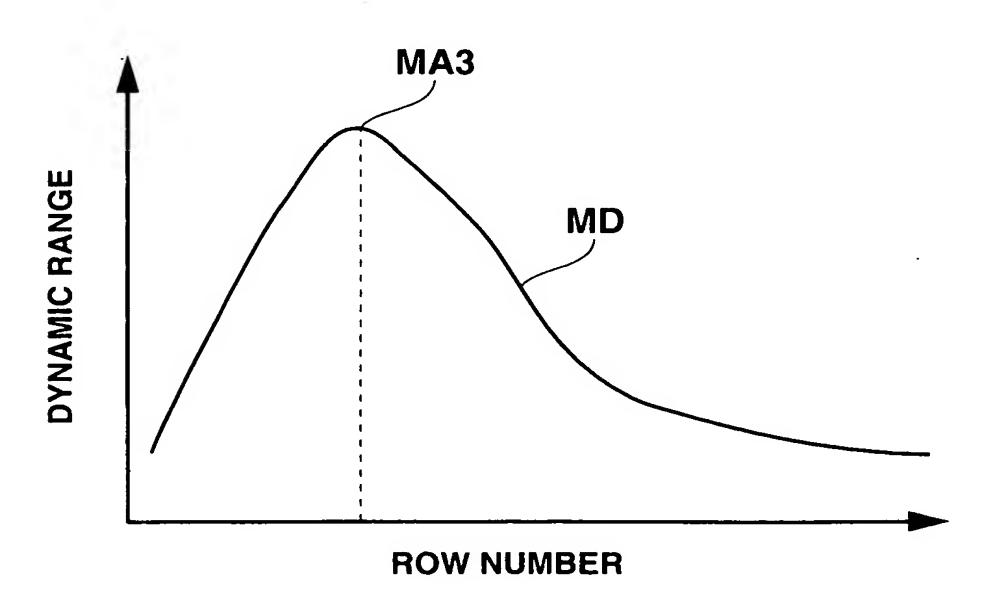
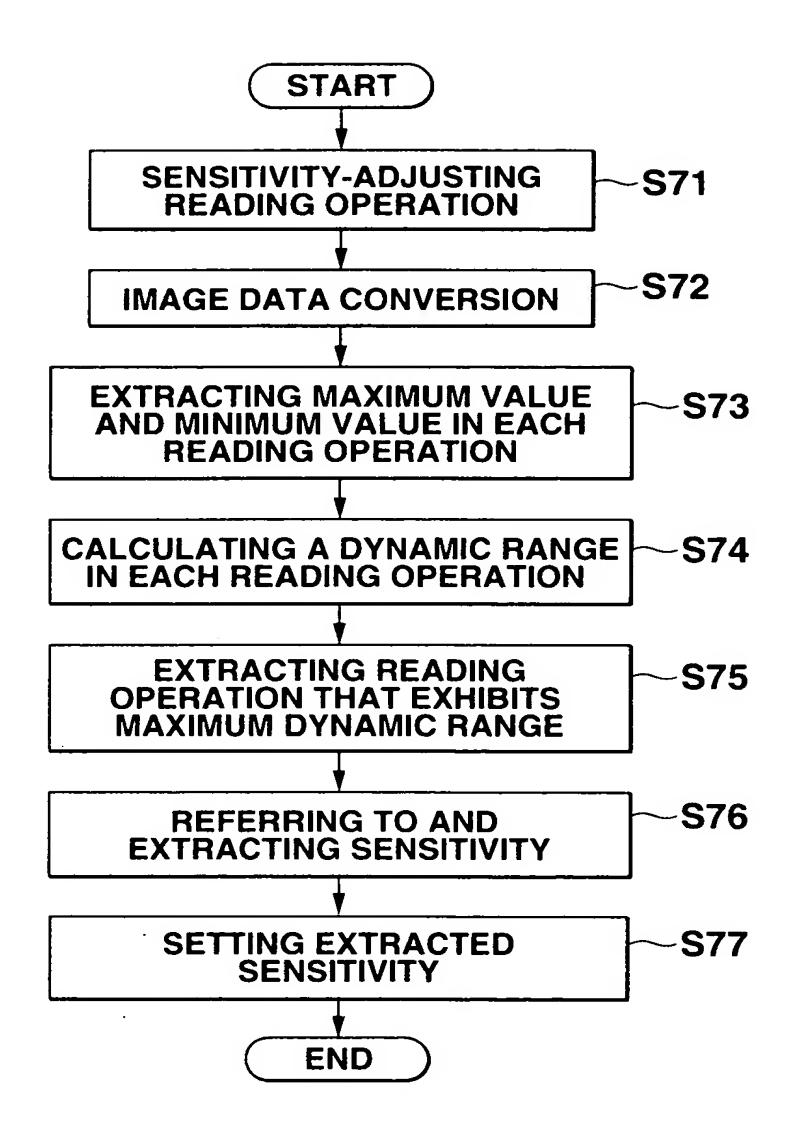
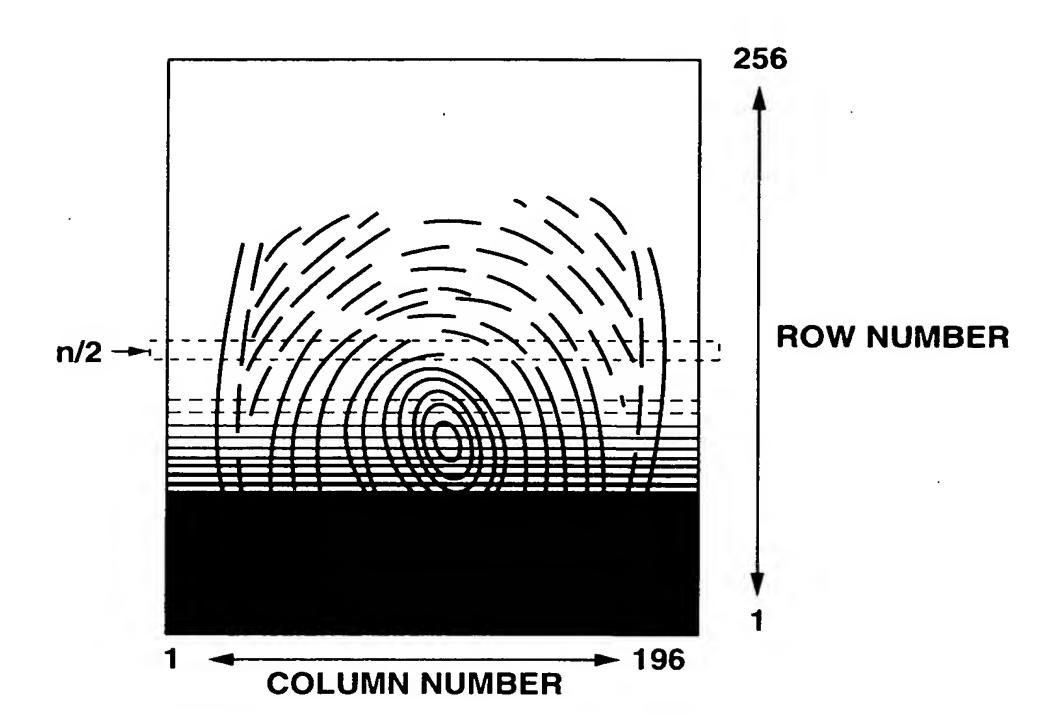


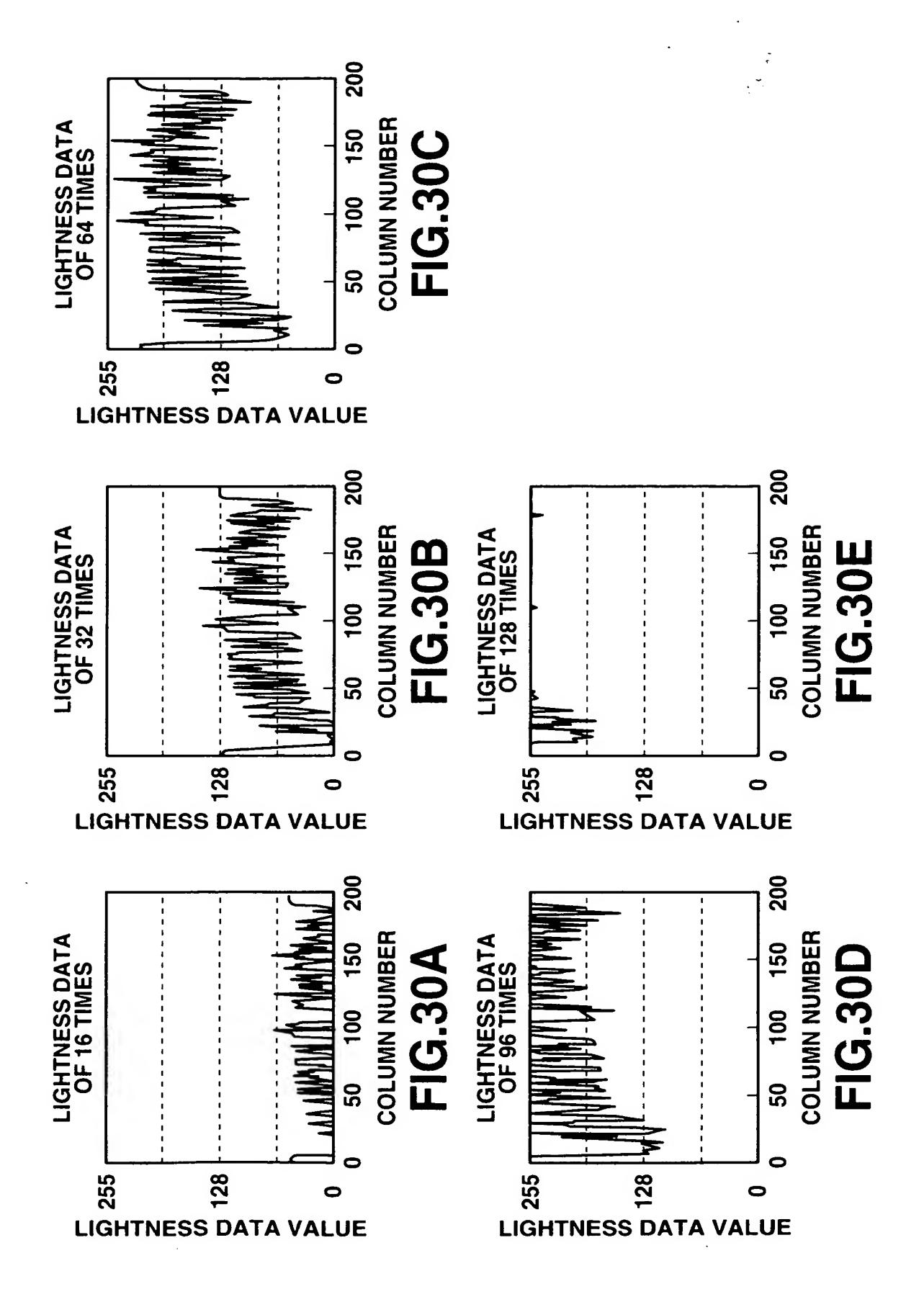
FIG.27B

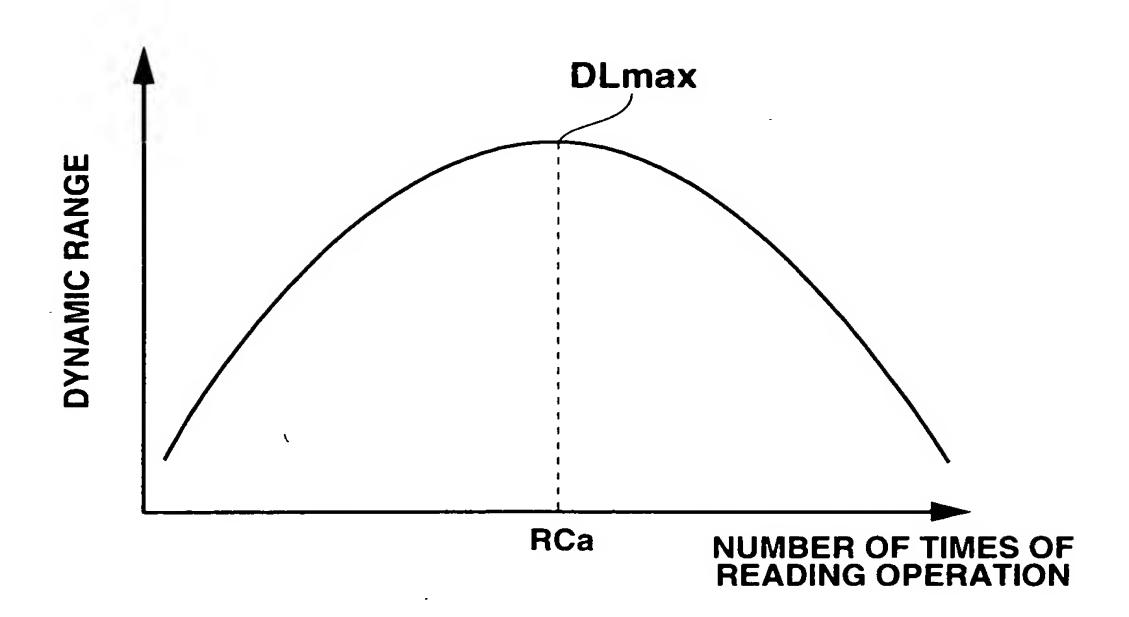


**FIG.28** 

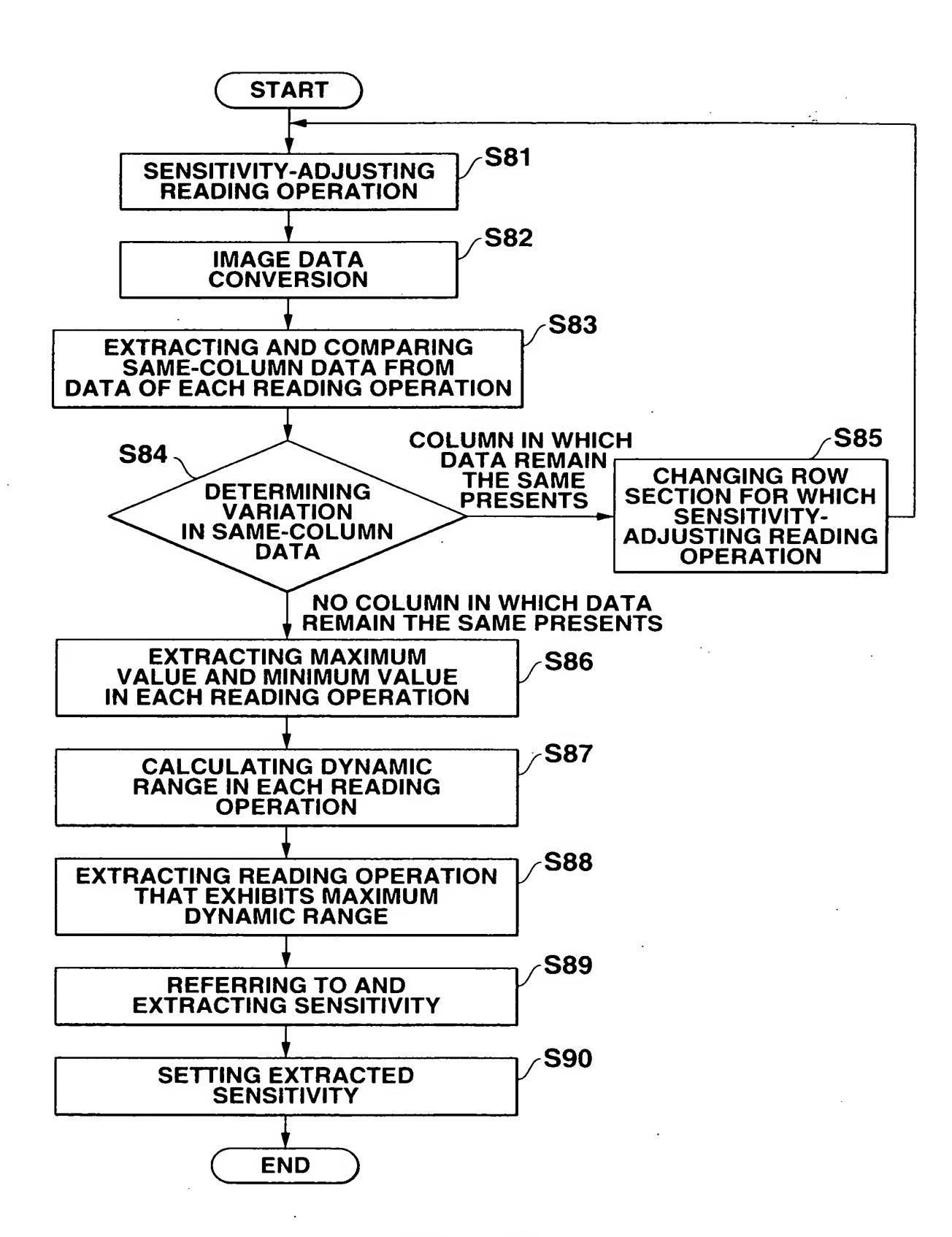


**FIG.29** 

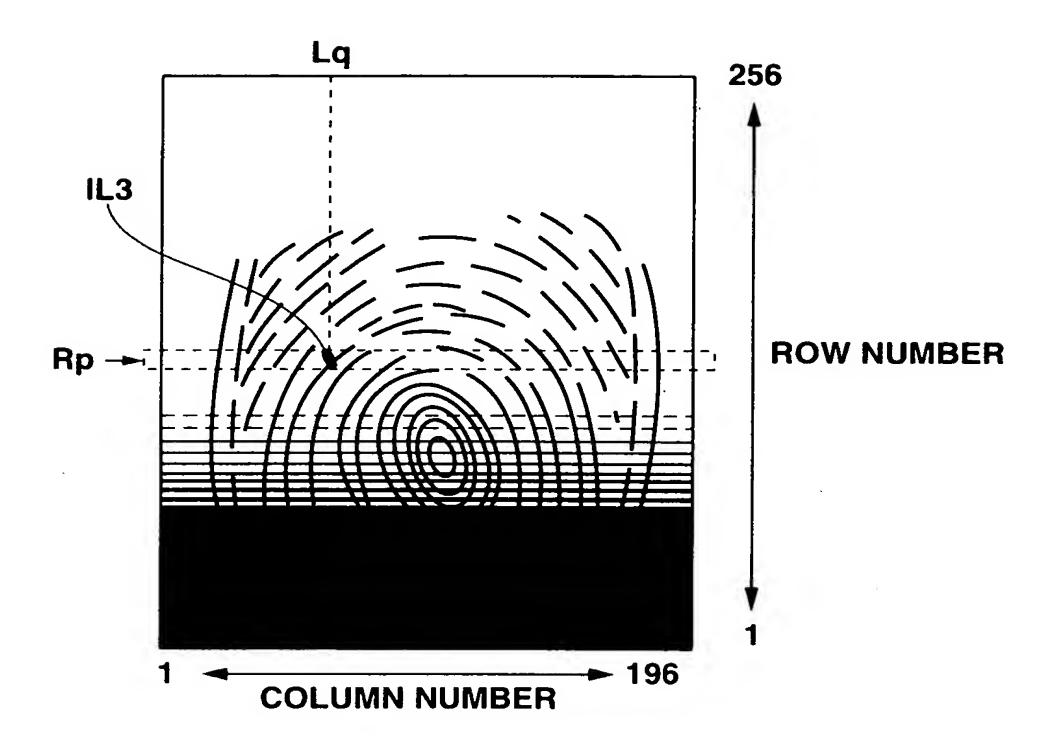




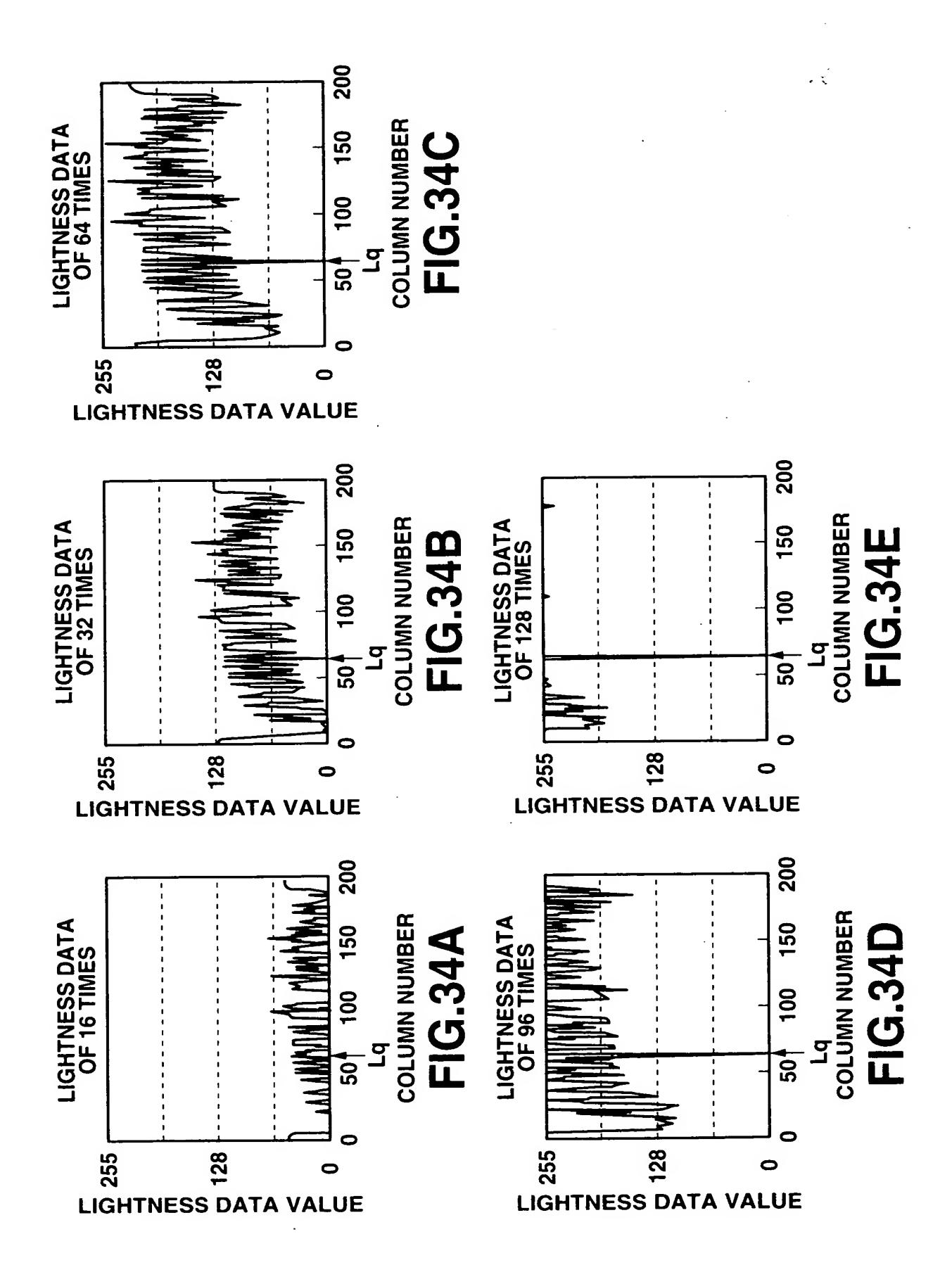
**FIG.31** 

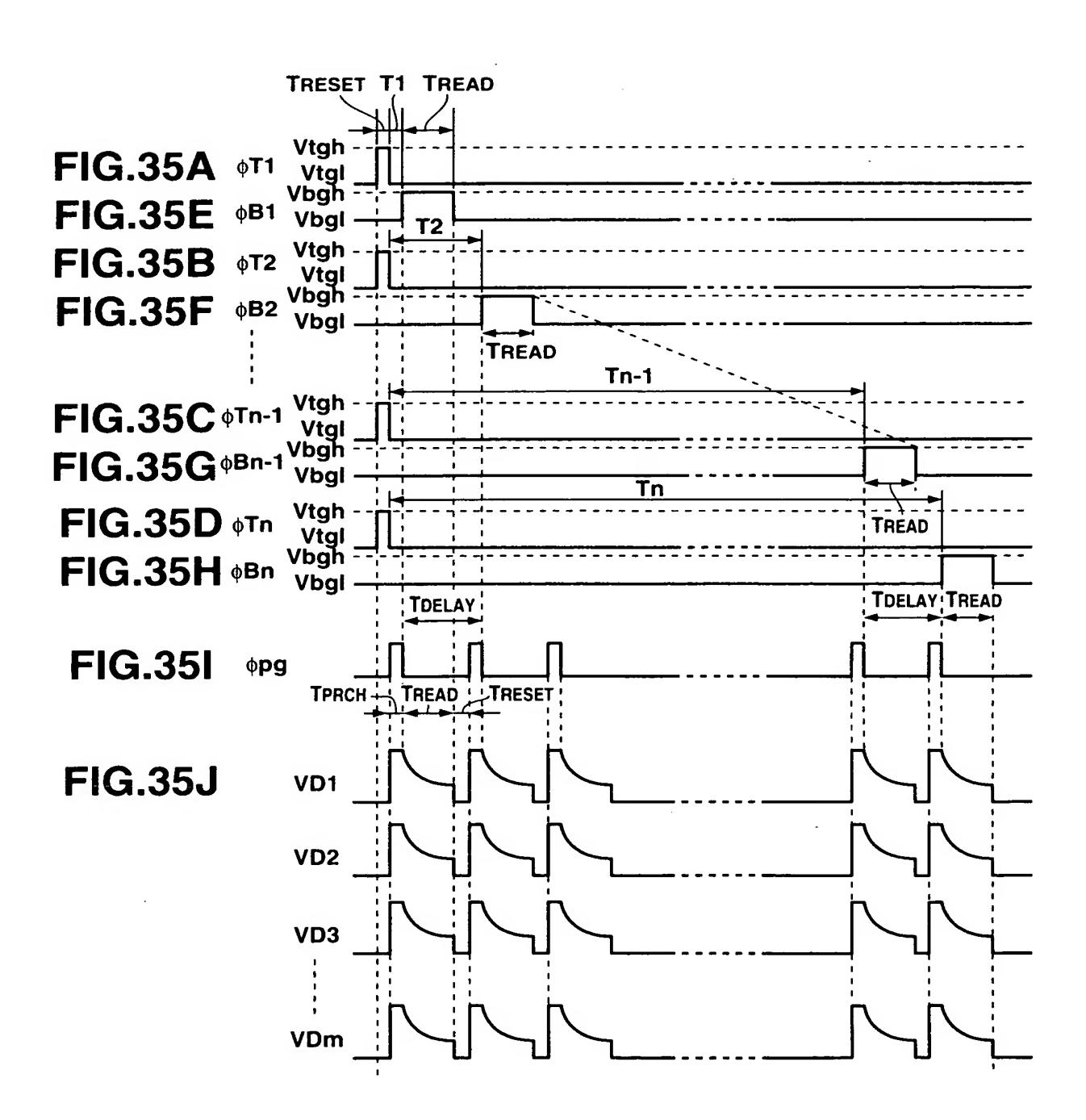


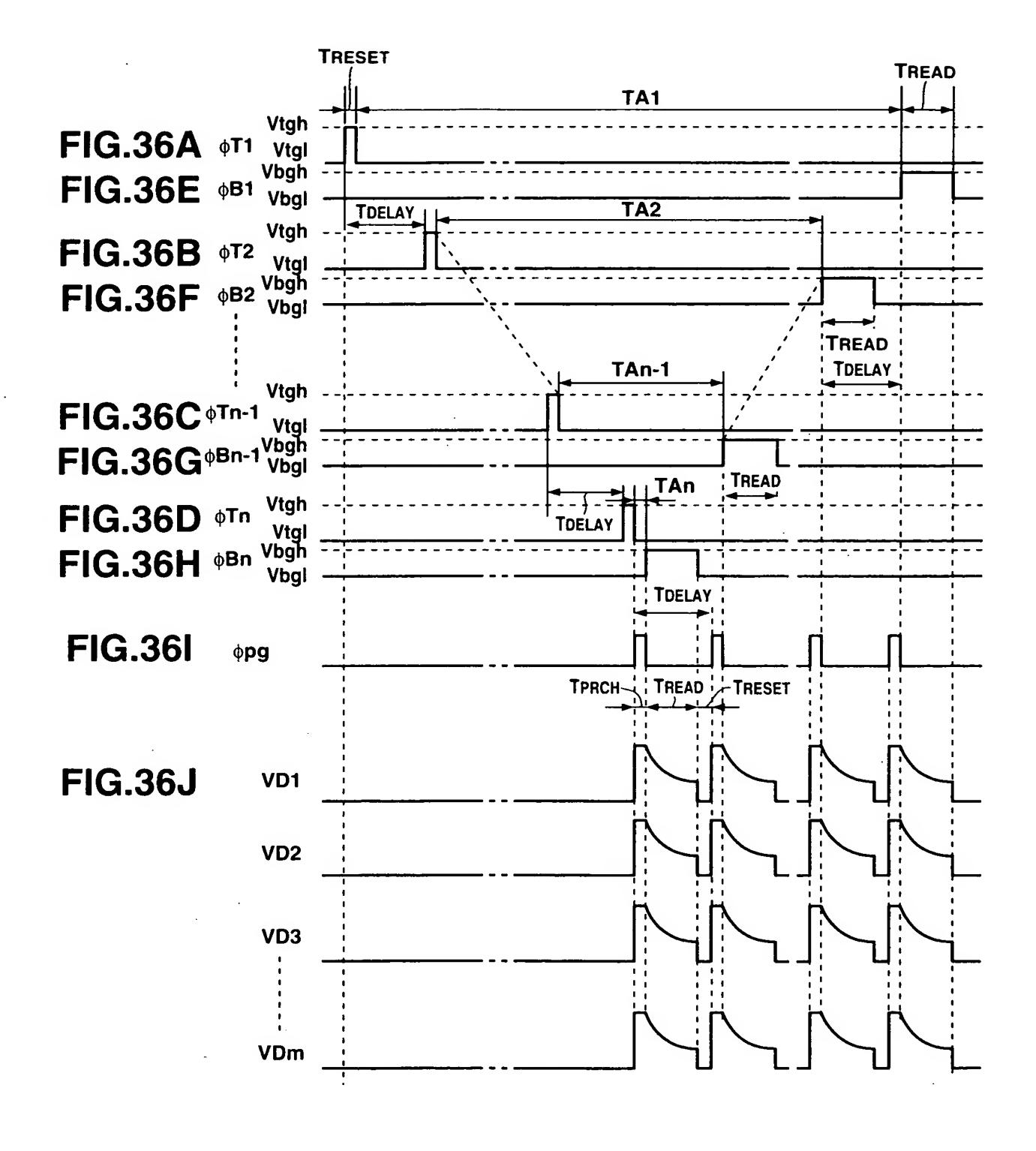
**FIG.32** 

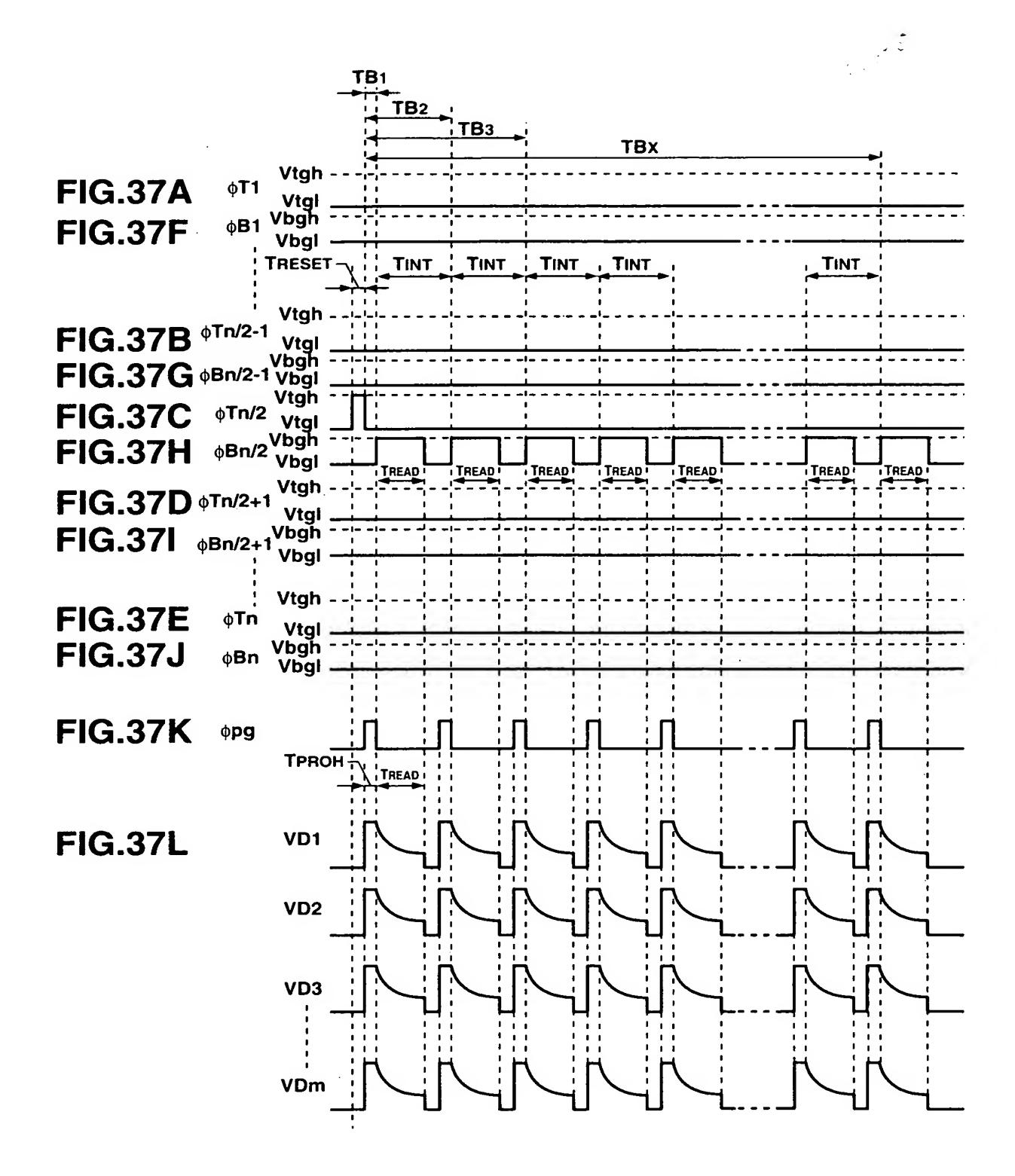


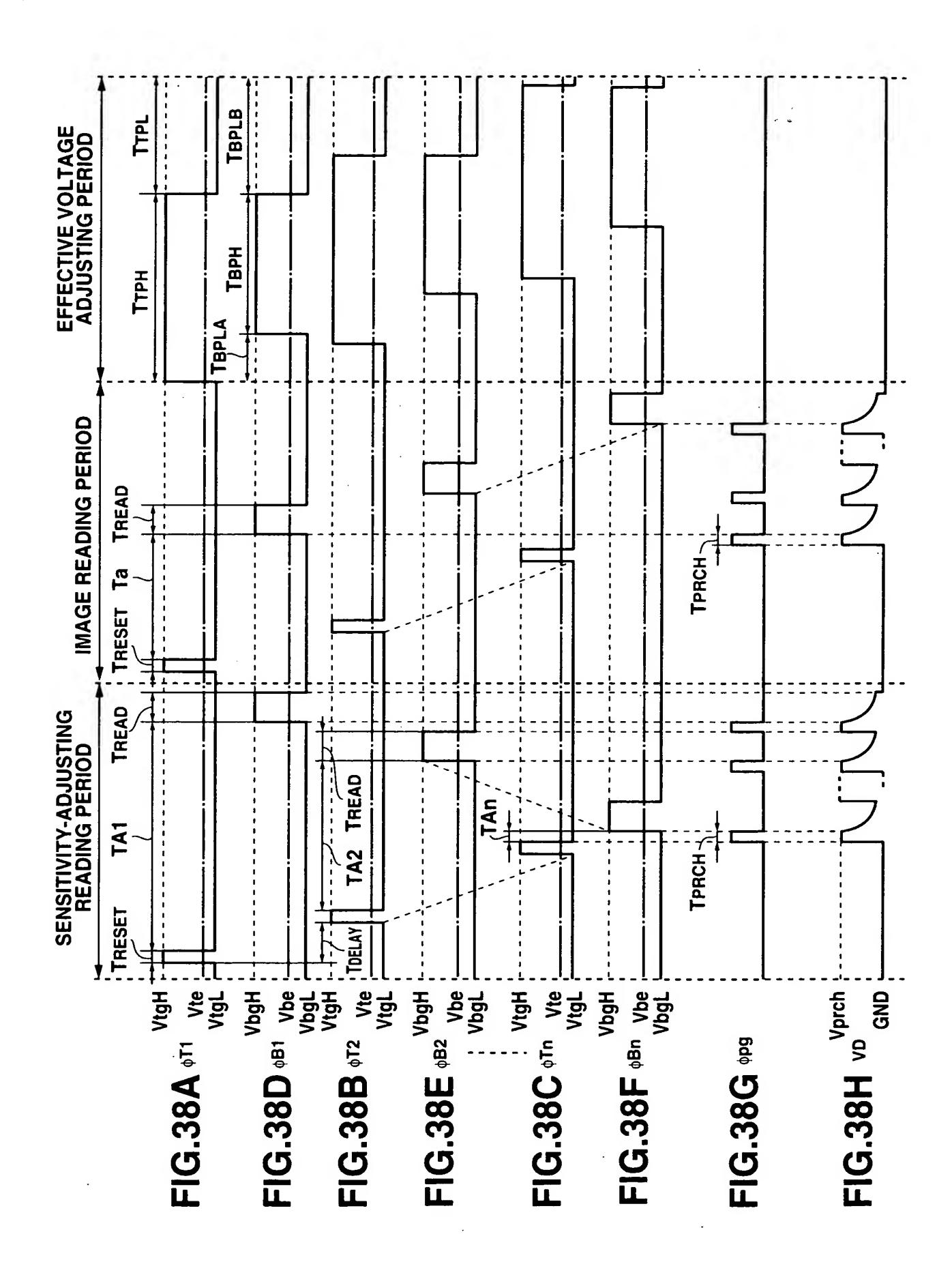
**FIG.33** 

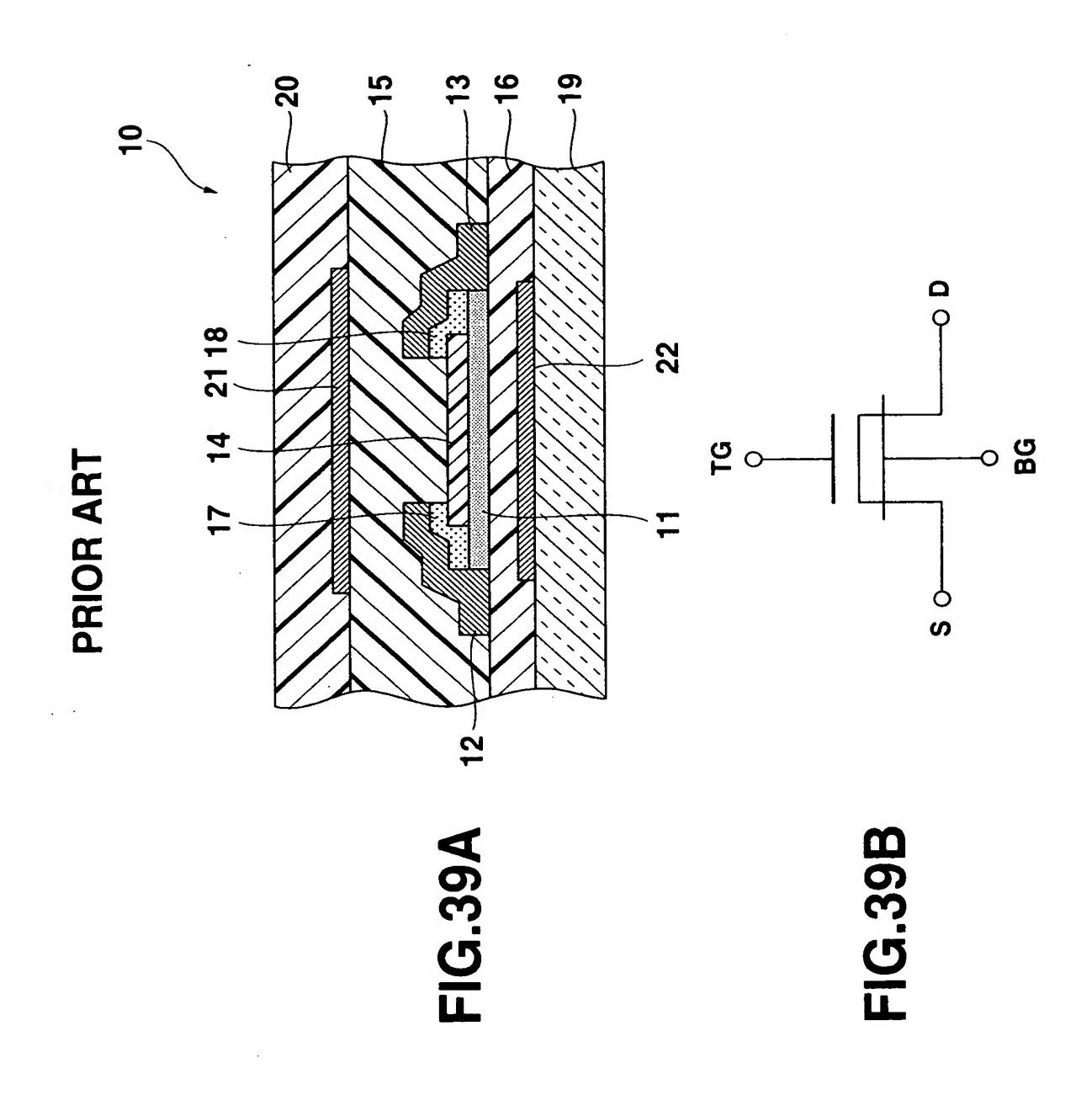


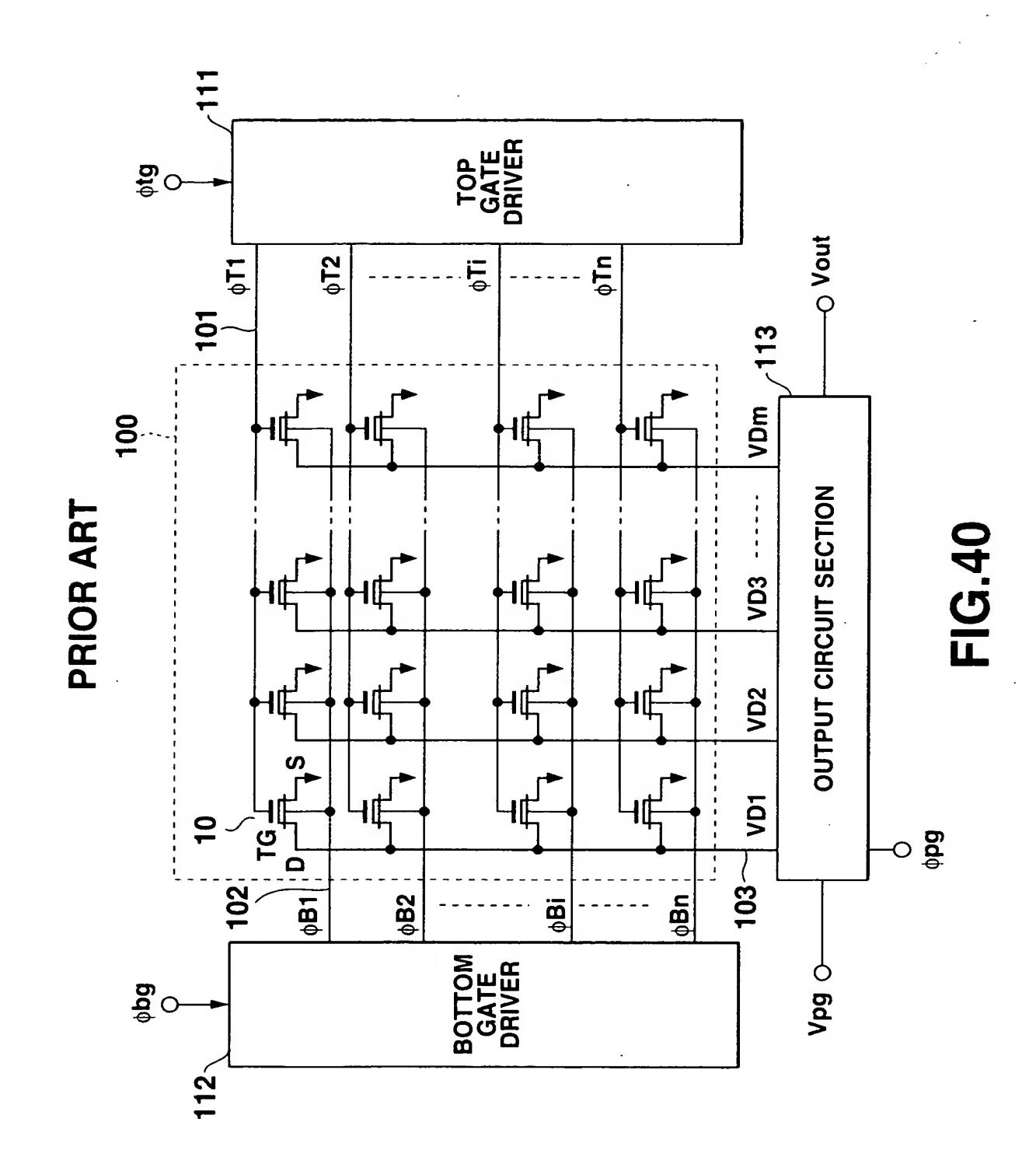




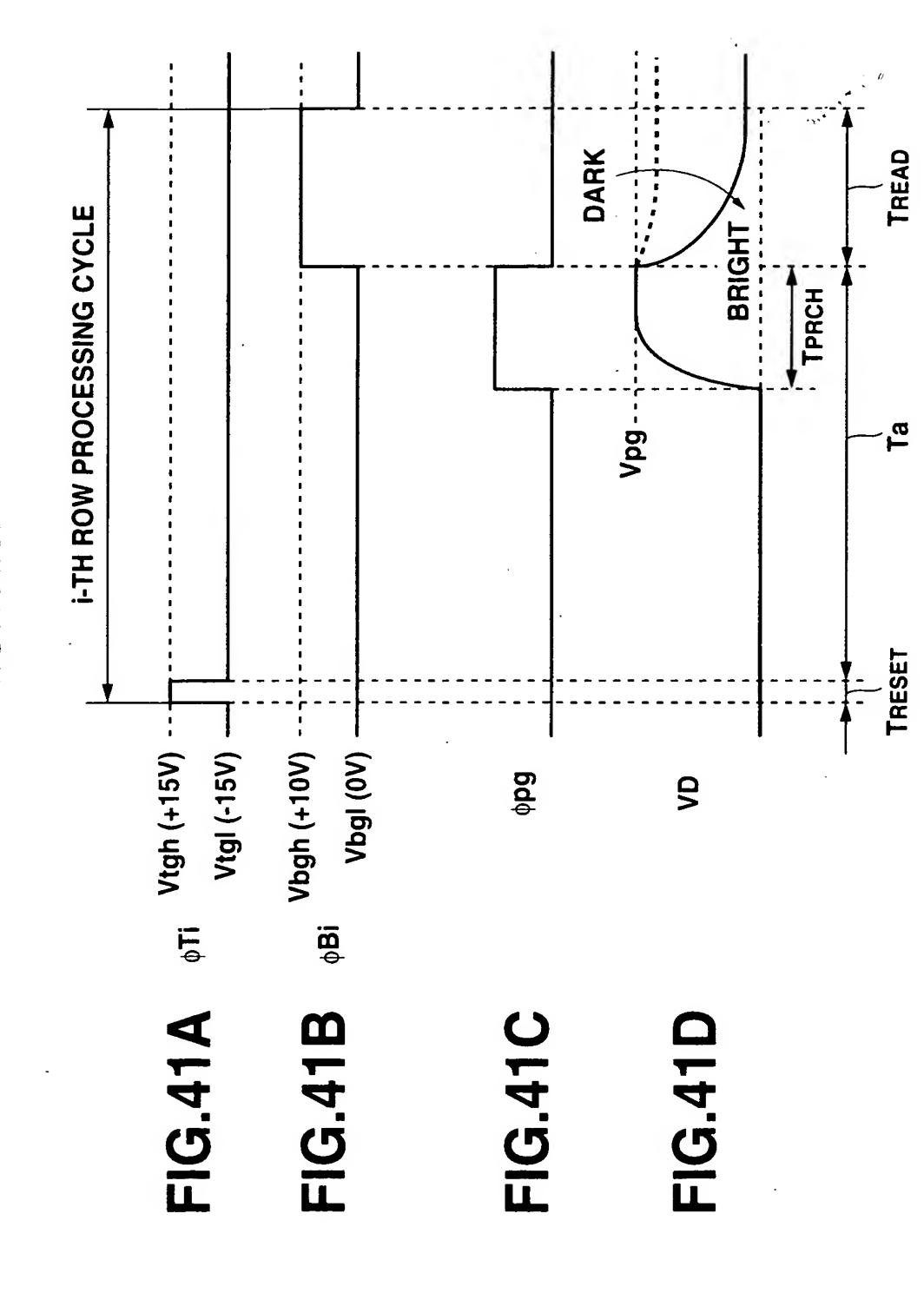








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